Understanding Levels of Achievement

Using EQAO Information to Improve Student Learning

2012

Ontario conducts province-wide tests of students’ literacy and math skills at key stages of their education. This contributes to public accountability and to the continuous improvement of every student in Ontario’s publicly funded education system. These tests are conducted by the Education Quality and Accountability Office (EQAO), an agency of the Government of Ontario.
About the Education Quality and Accountability Office

The Education Quality and Accountability Office (EQAO) is an independent provincial agency funded by the Government of Ontario. EQAO’s mandate is to conduct province-wide tests at key points in every student’s primary, junior and secondary education and report the results to educators, parents and the public.

EQAO acts as a catalyst for increasing the success of Ontario students by measuring their achievement in reading, writing and mathematics in relation to Ontario Curriculum expectations. The resulting data provide a gauge of quality and accountability in the Ontario education system.

The objective and reliable assessment results are evidence that adds to current knowledge about student learning and serves as an important tool for improvement at all levels: for individual students, schools, boards and the province.
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Introduction

EQAO assessments provide information about students as learners. The purpose of this resource is to help classroom teachers to make links between student work on the EQAO Assessments of Reading, Writing and Mathematics, Primary and Junior Divisions and their classroom instruction and assessment.

In its curriculum policy documents, the Ministry of Education of Ontario clearly describes the knowledge and skills students are expected to demonstrate by the end of each grade. EQAO provides assessment information about how well students are achieving key reading, writing and mathematics curriculum expectations by the end of Grade 3 (primary division) and the end of Grade 6 (junior division), two strategic points along the learning continuum. Recent surveys by EQAO indicate that more than 80% of teachers use this summative assessment information to help them plan effective learning and assessment experiences for their students.

EQAO assessments are based on the same reading, writing and mathematics curriculum expectations that teachers use to frame students’ classroom experiences; however, not all expectations can be assessed appropriately within the limits of a large-scale pencil-and-paper assessment. The primary and junior Frameworks, posted on the EQAO Web site (www.eqao.com), summarize the differences between large-scale and classroom assessment, describe the different EQAO assessments and illustrate how their content aligns with the expectations in The Ontario Curriculum for language and mathematics.

Classroom assessments reference a broader range of subjects, expectations, tasks, topics and demonstrations of learning than EQAO's. As the Ministry of Education of Ontario states in its assessment policy document Growing Success, classroom assessments “are ongoing, varied in nature, and administered over a period of time to provide multiple opportunities for students to demonstrate the full range of their learning.” Information about a student’s performance on an EQAO assessment should always be considered together with classroom assessment information about the student.
As occurs in the classroom, EQAO assessments determine a level of performance based on a body of evidence. All of a student’s responses to the multiple-choice and open-response reading, writing or mathematics questions and tasks are used to make this decision for the subject. Since there is often variation in quality across a body of student work, it is important that students have multiple opportunities to show their understanding and skills in relation to the overall expectations assessed.

Looking at a body of student work, or a portfolio, that responds to multiple tasks is an excellent way to observe overall patterns and trends in student performance and track a student's strengths and areas for growth. A portfolio of student work allows teachers to observe the patterns and trends in a student’s thinking and learning across tasks and subject areas. This resource may help teachers and administrators find overall patterns and trends in student performances and identify possible areas for improvement.

The descriptions of student performance on EQAO assessments in this resource provide educators with a clearer picture of what an EQAO level designation means practically in terms of a student’s performance on the assessments. This resource also identifies some specific strategies that can be used to improve student performance.

Background

The descriptions of student work in this resource were developed (from 2007 to 2009) by several groups of Ontario school- and board-based educators who examined a sample of EQAO student booklets in each of the three subject areas (reading, writing and mathematics) in the two elementary divisions (primary and junior).

After categorizing the booklets by level, they examined the booklets for each level and described the qualities of student work they observed. After much discussion, each group then grouped and summarized the descriptions to produce the scales that are central to this resource. The scales describe typical student performance on an EQAO assessment as a whole, with an emphasis on what students are able to do.

A teacher moderation process was used (from 2009 to 2010) with additional groups of classroom educators to check the validity of the descriptions for reading, writing and mathematics using student work from a different assessment and year than those the original panel used. Their task had two parts. The first was to

- examine the bodies of student work holistically;
- use the descriptive scales to categorize a set of EQAO student booklets;
- compare their interpretations of the scales and
- confirm their judgments about a student’s level of performance in each subject area.

The various groups of teachers were consistent in using the scale descriptors to sort and categorize student work. The second part was a set of follow-up discussions to refine the language of the scales in order to make them more accessible and useful to teachers, and to explore how they might be used in day-to-day practice as well as in professional development.
The teacher moderation process provided an opportunity for collaborative professional dialogue with student work as the central focus. For information on using a teacher moderation process in your school, refer to the following Ministry resources:


This resource is the result of the classroom educators’ work and recommendations. It contains:

- scales that describe the qualities of a body of student work on EQAO assessments at each of the four levels
- descriptions of students’ typical areas for growth required at each of the levels and suggested strategies to support student improvement at each level
- suggested resources to support and inform classroom instructional practice
- a sample body of student work on an EQAO assessment at each level
- annotated student responses linked to the level descriptions and to the accounts of the typical areas of growth required at each level
How to Use This Document

The Scales

The scales (pages 11 to 17) represent the range of achievement on EQAO’s primary Assessment of Reading, Writing and Mathematics. The descriptions of work at each level are based on observable characteristics of student performance from several bodies of work on EQAO assessments at the corresponding level. Each level has a summary statement that captures the performance “at a glance,” and several specific statements that describe possible characteristics of student work at the corresponding level.

The statements

- describe the overall performance rather than evaluate it
- are based on multiple-choice and open-response answers and responses to writing tasks
- state what is there, instead of what is not there
- use qualitative rather than quantitative language
- avoid content and technical terms wherever possible

The scales are not intended as checklists but to provide a holistic view, or overall impression, of the EQAO performance level. Some or all of the characteristics of a given level may be evident in a body of student work, and characteristics of several levels of performance may be evident. A teacher’s professional judgment will determine which level is the overall best fit.

The scales are one assessment tool that can be used to support teachers in using assessment information to improve student learning (through assessment for learning and assessment as learning). Teachers can refer to the characteristics described by the scales to help identify, share and clarify the criteria of effective work for students. Involving students in the assessment process and co-constructing criteria can help them develop and deepen their understanding of what a successful performance looks like on EQAO assessments and in the classroom.

There are many possible classroom and whole-school applications for the scales, such as

- examining a body of student work in reading, writing or mathematics from a variety of sources
- engaging in professional dialogue about the scales and student work to find patterns and trends in student performance, and possible next steps
- having students apply the scales, with teacher guidance and independently, to samples of their own and others’ work
- having students reflect on a portfolio of their best work, and highlighting key characteristics in the scales that describe their work
- partnering with other teachers in the same grade or division to assess samples of student work
- partnering with other teachers in different divisions to assess samples of student work
- identifying characteristics in the scales that support success criteria developed for classroom assessment
Support Materials

The support materials (pages 19 to 101) provide a detailed look at the scales to help link each EQAO level of performance to classroom instruction. Samples of student work on an EQAO assessment are included to illustrate the descriptions of the level.

Teachers can use the areas-for-growth and next-steps information and strategies as a starting point for grade and divisional discussions and staff development, to inform their instructional decisions, to support the implementation of teaching and learning critical pathways, or for student-parent-teacher conferences.

Sample responses have been selected from one student's body of work on an EQAO assessment in the strand or subject at the appropriate EQAO level of performance.

Note that all of the student's multiple-choice and open responses were taken into consideration when determining the particular level of performance in reading, writing or mathematics. Individual sample responses may therefore vary in the degree to which they illustrate the characteristics of the level and should not be used as exemplars for a particular achievement level. For reading, writing and mathematics exemplars, use those provided in the curriculum documents area of the Ontario Ministry of Education Web site at http://www.edu.gov.on.ca/eng/curriculum/elementary/language.html and http://www.edu.gov.on.ca/eng/curriculum/elementary/math.html.

The sample responses can be used as a starting point for discussions with students about success criteria and the key characteristics of work at each level, with parents before or after EQAO assessments, and with other teachers to highlight the connections between levels and divisions. Examining students’ incorrect responses can provide insight into their acquisition and use of reading, writing and mathematics skills and knowledge, their reasoning skills and any gaps or misunderstandings.

The relevant primary reading selections follow the reading section.

Guiding Questions

When using the scales to assess a body of student work, ask reflective questions, such as:
- What words and phrases in the scale best describe the body of student work?
- Which level best captures this body of work?
- How does this information confirm or challenge what I already know about this student as a reader, writer or mathematician?
- How might I use this information to identify next-step learning goals?
- What patterns in characteristics do I notice among students’ performances?
- How might I use this information to target small-group instruction?
- How do my findings about student work compare with other teachers’ findings?
The Support Materials Section at a Glance

The support materials section consists of:

- the performance descriptions from the scales
- descriptions of typical areas where growth is required by students at each level
- suggested strategies and resources to support student improvement at each level
- sample annotated responses at each level selected from one student’s body of work on an EQAO assessment

The target sidebar suggests instructional strategies to support student improvement.

The “If/Then” chart identifies possible areas for growth based on the descriptions from the scales and suggests some instructional strategies and Ministry of Education resources to help students move to the next level of performance.

Live links from the onscreen PDF to relevant resources appear here. The web address for each link is provided in the Resource section at the end of this document on the page indicated in square brackets.
The sample responses are from one student’s body of work in reading, writing or mathematics at the appropriate EQAO level of performance. One student’s work is used in order to provide a more comprehensive view of the characteristics of a student’s overall performance on an EQAO assessment.

For each multiple-choice question, the correct answer will be indicated by an asterisk.

Primary Mathematics | Level 3

SAMPLE ANSWER
In which box can it be placed to make the equation true?
- $20 - 4 = 16$
- $20 - 4 = 10$
- $20 - 4 = 20$
- $20 - 4 = 24$

SAMPLE ANSWER
Elke saved 11 quarters.
He wants to buy a book that costs $5.25.
How many more quarters does Elke need to save to buy the book?

He needs to save \( \frac{25}{25} \) more quarters.
Primary Scales
Reading, Writing and Mathematics
Primary Reading Scale

**LEVEL 1**
Understands familiar words and concrete ideas in texts and questions and attempts to answer the question

You may see *some or all* of these characteristics in a student's performance at this level

**Answers to Questions**
- shows some success at selecting answers from a list of choices
- relies on words from the question or text for his or her answer

**Understanding of Text**
- understands some specific, directly stated information and ideas
- understands parts rather than the whole of the text
- relies on a literal understanding of the text
- understands familiar words in context

**Support for Answers**
- refers to an idea from the text and often repeats it
- includes random details from the text
- focuses on him or herself rather than the text in answers

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**LEVEL 2**
Uses ideas from the text and combines them with personal experience to select or develop simple answers to questions

You may see *some or all* of these characteristics in a student's performance at this level

**Answers to Questions**
- understands what questions are asking
- links words from the question and text with own ideas to select or form an answer
- attempts to answer questions with some specific words from the text

**Understanding of Text**
- recalls some factual ideas in the text
- identifies some meanings, clues and details that are not directly stated
- begins to make connections between the text and personal experience
- begins to show understanding of how text features (e.g., titles, heading, pictures) affect meaning
- begins to show understanding of how characteristics of texts (e.g., characters, setting, label, captions, organization) affect meaning

**Support for Answers**
- refers to some factual ideas in the text
- uses some examples from the text to support inferences and connections
- attempts to make relevant personal connections to the text
- begins to develop opinions related to the text
- organizes his or her thoughts in predictable ways
**LEVEL 3**
Generates ideas based on the text and his or her own experience and answers questions appropriately with evidence

You may see some or all of these characteristics in a student's performance at this level

**Answers to Questions**
- answers questions addressing a wide range of curriculum expectations and reading skills correctly
- provides written answers that are easy to understand

**Understanding of Text**
- understands the main ideas
- provides evidence of a thoughtful analysis of characters and events
- makes generalizations and judgments based on the text
- generates ideas based on the text and personal connections

**Support for Answers**
- uses relevant information from the text to support his or her thinking
- uses explanations to support his or her ideas and opinions
- makes connections related to the text
- supports answers with relevant ideas of his or her own

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**LEVEL 4**
Answers questions skilfully, with complex reasoning and insightful evidence

You may see some or all of these characteristics in a student's performance at this level

**Answers to Questions**
- answers questions addressing a wide range of curriculum expectations and reading skills accurately and precisely
- expresses understanding clearly and thoughtfully in written answers

**Understanding of Text**
- understands text fully and relates it to background knowledge
- provides clear evidence of analysis in interpreting texts
- draws logical and relevant conclusions based on supporting details from the text
- makes inferences and interpretations that are often insightful
- integrates information and ideas in the text with prior knowledge

**Support for Answers**
- uses information from the text to support his or her thinking about significant ideas in the text
- uses extensive relevant explanations to support and justify his or her ideas and opinions about the text
Primary Writing Scale

You may see *some or all* of these characteristics in a student's performance at this level

**Responses to Tasks**
- demonstrates some understanding of the assigned task when the prompt type is familiar
- connects to words in the assigned task through simple learned patterns (e.g., “I like…,” “I can…”)

**Ideas/Organization**
- expresses simple ideas based on personal experiences and/or preferences
- often leaves ideas unconnected
- develops ideas using simple patterns (e.g., list, simple sequence)
- strings together common words to express an idea, often using familiar oral language patterns
- uses words directly from the prompt as a tool for generating writing

**Conventions (spelling, punctuation, grammar, usage)**
- uses printing or cursive writing that is irregular and difficult to read
- uses spelling, punctuation and grammar that interferes with his or her expression and the reader's understanding
- frequently bases spelling on the sounds of words and/or spells at random
- attempts to make sentences and experiments with capital letters and periods

**LEVEL 1**
Responds to part of the task using simple and often unconnected ideas while attempting to use a few conventions

**LEVEL 2**
Responds to aspects of the task with simple ideas drawn from personal experience and using simple conventions

You may see *some or all* of these characteristics in a student's performance at this level

**Responses to Tasks**
- responds to some key words in the task
- attempts to write in the form required by the task

**Ideas/Organization**
- expresses ideas that are sometimes unconnected
- begins to order ideas and use simple logical structure (e.g., beginning, middle, end)
- repeats ideas that may be unconnected or supported by few details
- uses simple connecting words (e.g., and, but, first, then)
- supports ideas with personal experience only

**Conventions (spelling, punctuation, grammar, usage)**
- demonstrates inconsistent awareness, understanding and use of conventions
- makes simple sentences using common words and inconsistent punctuation
- experiments with words containing vowel combinations, verb endings and more than one syllable
- uses invented spelling for many words
LEVEL 3
Responds purposefully to the task with an awareness of the reader, using relevant ideas and appropriate conventions

LEVEL 4
Responds competently and thoughtfully to the task with complex ideas and effective use of conventions, creating engaging and appealing written work

You may see some or all of these characteristics in a student's performance at this level

**Responses to Tasks**
- understands the task and writes in the form required by it
- demonstrates awareness of the audience and the purpose for writing

**Ideas/Organization**
- writes with a plan and a purpose
- clearly expresses ideas and opinions
- often supports ideas with facts, details and relevant personal experiences
- uses transition words
- begins to convey messages through a personal style (e.g., images, humour)

**Conventions (spelling, punctuation, grammar, usage)**
- applies conventional spelling, punctuation and grammar
- uses various sentence structures
- uses a variety of vocabulary, phrases, adjectives and adverbs
- includes text and print features (e.g., words in capital letters, indents, boldface) for effect

You may see some or all of these characteristics in a student's performance at this level

**Responses to Tasks**
- responds effectively to the assigned tasks
- makes effective choices related to the audience, purpose and form

**Ideas/Organization**
- maintains consistent, clear main idea or message throughout the writing
- expresses complex ideas with effective details and elaborations
- uses a voice that is expressive and appropriate to the audience and purpose
- engages and appeals to the reader through purposeful and effective use of techniques such as humour and dialogue
- organizes writing skilfully, with smooth transitions and connections between sentences and paragraphs

**Conventions (spelling, punctuation, grammar, usage)**
- uses conventions (spelling, grammar, punctuation) accurately and effectively to enhance the richness of the written message
- engages the reader through word choice, linking words and a variety of sentence types (e.g., simple, compound and complex sentences, questions, exclamations)
Primary Mathematics Scale

You may see some or all of these characteristics in a student's performance at this level

**Computation**
- recognizes symbols for addition
- uses addition correctly in familiar contexts
- attempts other simple operations
- creates and extends simple number patterns (e.g., 2, 4, 6 ...)

**Problem Solving**
- copies numbers and words from the question as all or part of an answer
- reads questions literally, without extracting mathematical cues about relationships and content
- reads explicitly presented information in charts, diagrams and graphs
- uses addition for most problem solving whether or not it is appropriate
- recognizes familiar geometric shapes (e.g., square, circle) and figures (e.g., prisms, pyramids)
- offers some illogical solutions

**Communication**
- provides brief explanations of mathematical thinking and processes
- often explains thinking and processes by restating the question

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**LEVEL 1**

Uses addition to respond to simple problems and offers brief explanations of results

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**LEVEL 2**

Uses addition and subtraction to respond to single-step problems, interpreting information literally from a variety of formats

You may see some or all of these characteristics in a student's performance at this level

**Computation**
- uses addition correctly to solve single-step problems (e.g., 15 + 10)
- uses simple operations (e.g., addition, subtraction) when problems are presented in familiar forms (e.g., 17 + 21)
- extends simple number and geometric patterns

**Problem Solving**
- has a literal understanding of the problem, but may not relate solution to the context
- may focus on part of the question rather than the whole
- interprets explicitly presented information from questions, charts, diagrams and graphs
- uses familiar cues to determine how to solve problems, but misses some mathematical cues about relationships and context and solves only part of the problem
- constructs simple patterns
- solves problems without necessarily associating numbers and their measurement units
- often represents mathematical thinking with unlabelled pictures

**Communication**
- offers first answers as final answers
- restates the question or answer or proof rather than elaborating
LEVEL 3

Uses addition, subtraction, multiplication and division skills to solve multi-step problems and report solutions in detail

You may see some or all of these characteristics in a student's performance at this level

Computation
- uses most computation skills (e.g., rounding, skip counting, addition, subtraction, multiplication, division) with reasonable accuracy and confidence
- uses mathematical language and procedures accurately
- reads and uses familiar forms of mathematical information (e.g., graphs, calendars, clocks, money) with only minor errors

Problem Solving
- solves most single-step and some multi-step problems
- conceptualizes the whole problem but may miss or misunderstand parts of the question
- perseveres enough to generate a solution
- checks answers using pictorial strategies and other possible solutions
- tries to fill in gaps to solve problems
- manipulates numbers in the context of the problem and shows relationships appropriately

Communication
- uses mathematical vocabulary, conventions and forms of representation to describe solutions in sufficient detail

LEVEL 4

Understands problems and responds to them by selecting effective mathematical strategies to provide efficient solutions, which are communicated clearly and effectively

You may see some or all of these characteristics in a student's performance at this level

Computation
- uses numbers, operations and measurement units accurately and confidently
- provides precise, accurate and “rich” solutions, without extraneous information

Problem Solving
- analyzes questions and extracts relevant information to solve problems effectively and efficiently
- approaches problems looking for connections and relationships
- makes plans and uses a variety of ways to solve problems and represent his or her mathematical thinking
- selects the most effective strategies to solve problems
- knows when a task is finished

Communication
- uses mathematical vocabulary and procedures to communicate solutions clearly and precisely
- supports justifications with additional labelled information
Primary Support Materials
Using EQAO Information to Improve Student Learning
You may see some or all of these characteristics in a student's performance at this level:

**Answers to Questions**
- shows some success at selecting answers from a list of choices
- relies on words from the question or text for his or her answer

**Understanding of Text**
- understands some specific, directly stated information and ideas
- understands parts rather than the whole of the text
- relies on a literal understanding of the text
- understands familiar words in context

**Support for Answers**
- refers to an idea in the text and often repeats it
- includes random details from the text
- focuses on him or herself rather than the text in answers

<table>
<thead>
<tr>
<th>IF STUDENTS NEED HELP WITH...</th>
<th>THEN TRY...</th>
<th>RESOURCE LINKS</th>
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</thead>
</table>
| understanding questions       | ▪ using guided reading to model how to ask and answer questions about texts.  
                                 ▪ using shared reading to provide the students with opportunities to ask questions before, during and after reading.  
| expanding their reading vocabularies | ▪ building on students’ oral-language vocabulary in discussions and activities.  
                                          ▪ creating a theme-related word wall to introduce and reinforce important reading vocabulary.  
                                          ▪ asking students to bring interesting words to class and to make hypotheses about their meanings.  
                                          ▪ using word games such as Pictionary and word sorts for students to develop meaning connections among words. | The reading instruction video collection at www.eworkshop.on.ca |
| understanding that specific ideas and information develop an overall meaning of a whole text | ▪ using read-alouds to model how to retell texts and make predictions and inferences.  
                                           ▪ having reading partners use a response strategy like “Say Something” to read, pause and discuss predictions and understanding.  
                                           ▪ using Directed Reading Thinking Activity (DRTAs) to help students make and adjust predictions while reading.  
                                                                                      Education for All, K–6, pp. 96, 101–105 [p. 105]  
                                                                                      World of Words monograph [p. 107]  
                                                                                      Language-Rich Environment webcast in Effective Instruction in Reading Comprehension [p. 108]  
                                                                                      Word Study in Action webcast [p. 109]  
                                                                                      Using DRTA (Directed Reading Thinking Activity) to Predict When Reading [p. 109]  
                                                                                      Guided Reading webcast [p. 109] |
OBSERVATION

The responses rely on limited details or examples from the text, but the examples aren’t clearly linked to the questions. They are generalized statements rather than explanations. (Many hockey players practise; the response does not make the connection between practising and Gretzky’s childhood clear.)

SAMPLE ANSWER

Explain why Wayne Gretzky is called the “Great One.” Use details from the text and your own ideas to support your answer.

Wayne Gretzky is called the great one because he scored so many records.

SAMPLE ANSWER

Describe how Wayne Gretzky’s childhood helped him become a good hockey player. Use details from the text and your own ideas to support your answer.

He became a great hockey player by practicing.
Primary Reading | Level 1

**OBSERVATION**

The responses may be accurate based on prior knowledge, but, because the student has not used the context of the reading selection, reread or referred to particular details of the text, he or she has made incorrect inferences.

"Wayne Gretzky"

**SAMPLE ANSWER**

In paragraph 1, the word “tied” means
- put together.
- create a bow.
- match or equal.
- join with string.

**SAMPLE ANSWER**

The end of the text says Wayne was proud to work with Canada’s Olympic hockey team because he
- liked hockey.
- helped them win.
- enjoyed practising.
- set many records with them.

"The Venus Flytrap"

**OBSERVATION**

The responses indicate that the student has made simple, accurate inferences based on elements of the text.

**SAMPLE ANSWER**

In the phrase “‘spit’ out the tough parts,” (paragraph 3) the word “tough” means
- dry.
- soft.
- hard.
- hairy.

**SAMPLE ANSWER**

The pictures beside paragraph 3 help the reader see how the plant
- withers and dies.
- eats other plants.
- grows in the soil.
- traps and eats insects.
OBSERVATION
The response indicates an understanding of an important idea in the text, but it misses details.

SAMPLE ANSWER
The Venus Flytrap helps the Venus Fly Trap because it catches an insect.

OBSERVATION
The response indicates that the student has used prior knowledge but hasn’t used text details to make inferences.

SAMPLE ANSWER
Why does Mrs. Smith say line 5 of the text?

- to help students get a job
- to have students tell a story
- to entertain the students in the class
- to make the students think about their life

"The Venus Flytrap"
Primary Reading | Level 1

**SAMPLE ANSWER**

In lines 19–20, why is the word “thought” repeated?

- to tell why Wade wants to be an explorer
- to prove that the speaker knows what job to do
- to show that Mrs. Smith is unsure about how to answer
- to explain why Jasmine cannot think of what to do next

“*The Ice Cream Taster*”

**OBSERVATION**

The response shows that the student has used prior knowledge and textual context to make an accurate inference.

“*The Ice Cream Taster*”

**SAMPLE ANSWER**

Explain whether or not you would answer the questions in lines 5–6 the same way that Wade does. Use details from the text and your own ideas to support your answer.

I would answer the same way as Wade because I like Wade’s idea.
THE ICE CREAM TASTER

SAMPLE ANSWER

Describe what Mrs. Smith does to help the speaker of the poem decide what to be. Use details from the text to support your answer.

Mrs. Smith helps the speaker because she helped the speaker.
**LEVEL 2**

Uses ideas from the text and combines them with personal experience to select or develop simple answers to questions.

**TARGET**

Encourage students at Level 2 to survey text features, and to use them and their prior knowledge to make meaning and respond to questions.

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**IF STUDENTS NEED HELP WITH...**

- identifying the ideas and information in a text needed to answer questions
  - having them use graphic organizers such as mind maps to summarize important information.
  - using shared reading to pause after each paragraph and identify what is important to remember and what is interesting information.

- using text features and characteristics to help them make meaning as they read
  - having them be “text critics” and describe the kind of information different text features provide.
  - modelling how to use illustrations and sidebars to monitor comprehension.
  - asking them to create visuals to accompany an informational text.

- using prior knowledge to support understanding of a text
  - having reading groups use a response strategy such as “Save the Last Word for Me” to discuss their connections to and opinions about significant ideas in a text.
  - modelling how you make connections that help you understand the important ideas and information in a text.

- using ideas and information from a text to support answers
  - demonstrating how to answer a question and highlighting the parts of the text that link to your inferences and conclusions.
  - providing them with answers to questions and asking them to find the textual support.

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**THEN TRY...**

- Answers to Questions
  - understands what questions are asking
  - links words from the question and text with own ideas to select or form an answer
  - attempts to answer questions with some specific words from the text

- Understanding of Text
  - recalls some factual ideas in the text
  - identifies some meanings, clues and details that are not directly stated
  - begins to make connections between the text and personal experience
  - begins to show understanding of how text features (e.g., titles, heading, pictures) affect meaning
  - begins to show understanding of how characteristics of texts (e.g., characters, setting, label, captions, organization) affect meaning

- Support for Answers
  - refers to some factual ideas in the text
  - uses some examples from the text to support inferences and connections
  - attempts to make relevant personal connections to the text
  - begins to develop opinions related to the text
  - organizes his or her thoughts in predictable ways

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**RESOURCE LINKS**

  - Education for All, K–6, p. 99 [p. 105]

- A Guide to Effective Instruction in Reading, K–3, pp. 5.26–5.31; 8.28–8.29 [p. 105]
  - Shared Reading: Text Structure in Effective Instruction in Reading Comprehension webcast [p. 108]
  - Shared Reading, Grades K–3 video at www.eworkshop.on.ca

- A Guide to Effective Instruction in Reading, K–3, p. 3.28 [p. 105]
  - Making Predictions, Activating Prior Knowledge and Visualizing webcasts in Effective instruction in reading comprehension [p. 108]
  - Education for All, K–6, pp. 98–100 [p. 105]
  - Inference Game in Precision Teaching in the Primary Classroom webcast [p. 109]
OBSERVATION

The responses include a few words and details from the text that indicate a basic literal understanding, but there is not always a clear link back to the question.

SAMPLE ANSWER

Explain why Wayne Gretzky is called the “Great One.” Use details from the text and your own ideas to support your answer.

Wayne was ten. He was good at hockey. When he was older, he was even better. So that is why he is called the great one.

SAMPLE ANSWER

Describe how Wayne Gretzky’s childhood helped him become a good hockey player. Use details from the text and your own ideas to support your answer.

Wayne was a child. He had an ice ring and he was a practist.
OBSERVATION
The responses indicate that the student understands the questions and has made a genuine attempt based on prior knowledge and the context to select the correct answer. For Question 2, rereading of the text may have assisted the student in making a correct inference.

SAMPLE ANSWER
In paragraph 1, the word “tied” means
- put together.
- create a bow.
- match or equal. *
- join with string.

OBSERVATION
The responses indicate that the student understands what the questions are asking, and in one case is able to link words from the question and text with prior knowledge to make an inference and select the correct answer. The responses also show an understanding of how text features (single quotation marks, pictures) affect meaning.

SAMPLE ANSWER
In paragraph 3, the word “anticipate” means to
- know. *
- choose.
- explain.
- describe.

SAMPLE ANSWER
In the phrase “spit’ out the tough parts,” (paragraph 3) the word “tough” means
- dry.
- soft.
- hard. *
- hairy.

SAMPLE ANSWER
The pictures beside paragraph 3 help the reader see how the plant
- withers and dies.
- eats other plants.
- grows in the soil.
- traps and eats insects. *
SAMPLE ANSWER

Explain how “trigger hairs” help the Venus flytrap. Use examples from the text to support your answer.

The triggers help them because when the bug touches the triggers it will set off the trap. Piner is served!

SAMPLE ANSWER

Why does Mrs. Smith say line 5 of the text?

- to help students get a job
- to have students tell a story
- to entertain the students in the class
- to make the students think about their life

SAMPLE ANSWER

In lines 19–20, why is the word “thought” repeated?

- to tell why Wade wants to be an explorer
- to prove that the speaker knows what job to do
- to show that Mrs. Smith is unsure about how to answer
- to explain why Jasmine cannot think of what to do next
**OBSERVATION**

The response indicates a clear understanding of the question and some details from the text. The student states a strong opinion on this question and a clear personal reaction. Further details from the text would create contrast between the student's personal goal and Wade's, and better support the response, especially considering that an oceanographer is a type of explorer.

“The Ice Cream Taster”

**SAMPLE ANSWER**

Explain whether or not you would answer the questions in lines 5–6 the same way that Wade does. Use details from the text and your own ideas to support your answer.

“**The Ice Cream Taster**”

“NO I wouldn't like to be an oceanographer. I don't want to explore the place. I want to be an explorer.”

**OBSERVATION**

The response indicates a clear understanding of Mrs. Smith’s advice to the speaker but doesn’t draw a conclusion as to how the advice is helpful.

**SAMPLE ANSWER**

Describe what Mrs. Smith does to help the speaker of the poem decide what to do. Use details from the text to support your answer.

“**The Ice Cream Taster**”

“to follow your dreams and to be what you really want to do. And be what you think you want to do.”
Primary Reading

LEVEL 3
Generates ideas based on the text and his or her own experience and answers questions appropriately with evidence

TARGET
Support students at Level 3 in finding relevant details from text and in synthesizing those details to make inferences from and interpretations of the text.

You may see some or all of these characteristics in a student’s performance at this level:

**Answers to Questions**
- answers questions addressing a wide range of curriculum expectations and reading skills correctly
- provides written answers that are easy to understand

**Understanding of Text**
- understands the main ideas
- provides evidence of a thoughtful analysis of characters and events
- makes generalizations and judgments based on the text
- generates ideas based on the text and personal connections

**Support for Answers**
- uses relevant information from the text to support his or her thinking
- uses explanations to support his or her ideas and opinions
- makes connections related to the text
- supports answers with relevant ideas of his or her own

If Students Need Help With...

**THEN TRY...**

- using shared reading to model how to make inferences and asking the students to share theirs.
- using reciprocal teaching for the students to practise developing an understanding of the text.
- having the students use stickies to write down a one-sentence summary after each paragraph, and then use the stickies to help them summarize the whole passage.

**RESOURCE LINKS**

- Reciprocal Teaching in Effective Instruction in the Primary Classroom webcast [p. 108]
- Inference Game in Precision Teaching in the Primary Classroom webcast [p. 109]

**integrating ideas and information from texts with prior knowledge to develop understanding and interpretations of the texts**

- having the students use a strategy such as “Sketch to Stretch” to share and compare their interpretations with other students.
- using a two-column chart with the headings “Text Says” and “I Say” to model how you record interpretations while reading.
- having small groups examine and discuss the meanings of theme-related cartoons.

**using ideas and information from the text and relevant prior knowledge to support their thinking**

- having small groups create tableaus to illustrate the big ideas in the text. Ask the students to explain which images best represent the text.
- using shared and guided activities to model how to construct an effective response.
- using discussion circles for the students to practise sharing and supporting their thinking orally.
- having partners create a supported response to questions generated by the class and having the partners share and compare responses.

**A Guide to Effective Instruction in Reading, K–3, p. 3.28 [p. 105]**

**Accountable Talk: Critical Literacy in Effective Instruction in Reading Comprehension**

**Guided Reading, Grades K–3 video**

**Success Criteria and Exemplars in Precision Teaching in the Elementary Classroom**

**webcast [p. 109]**
OBSERVATION
The responses are correct, indicating an understanding of the overall text based on some details and inferences. The prior knowledge or personal opinions don't always substantiate the answer. For example, “Gretzky is a nice man...he tried his best” isn't clear support for calling him the “Great One.” Additional accurate details would provide a more focused answer.

“Wayne Gretzky”

SAMPLE ANSWER

Explain why Wayne Gretzky is called the “Great One.” Use details from the text and your own ideas to support your answer.

Wayne Gretzky is called the “Great One” because he scored 878 goals. I think that Wayne Gretzky is a nice man and he is a good player because he tried his best.

SAMPLE ANSWER

Describe how Wayne Gretzky’s childhood helped him become a good hockey player. Use details from the text and your own ideas to support your answer.

Wayne Gretzky’s childhood helped him become a good hockey player and helped him play fair. His childhood helped him because his dad put a ice rink in the back yard so he can practice.
Primary Reading | Level 3

OBSERVATION
The responses are accurate and are based on prior knowledge and inferences made from the text.

“Wayne Gretzky”

SAMPLE ANSWER
In paragraph 3, the word “anticipate” means to

- know.
- choose.
- explain.
- describe.

OBSERVATION
The responses are accurate and are based on appropriate inferences drawn from details and features of the text.

“The Venus Flytrap”

SAMPLE ANSWER
What is the main reason for Wayne Gretzky’s success?

- body size
- young age
- skating style
- natural talent

SAMPLE ANSWER
In the phrase “'spit’ out the tough parts,” (paragraph 3) the word “tough” means

- dry.
- soft.
- hard.
- hairy.

SAMPLE ANSWER
The pictures beside paragraph 3 help the reader see how the plant

- withers and dies.
- eats other plants.
- grows in the soil.
- traps and eats insects.

“Wayne Gretzky”

OBSERVATION
The responses are accurate and are based on prior knowledge and inferences made from the text.
OBSERVATION
The responses are accurate, demonstrating use of prior knowledge and relevant details from the text and indicating an overall understanding of it. In the first response, the process of how the trigger hairs work isn’t explained. Specific details from the text would provide a fuller explanation of how the trigger hairs signal to the plant that it should close its leaves to trap the insect so it can eat it. In the second response, several reasons are provided to support the student’s opinion about why the plant is unusual.

SAMPLE ANSWER

Explain how “trigger hairs” help the Venus flytrap. Use examples from the text to support your answer.

The trigger hairs help the Venus flytrap because when a fly is in the right place it can eat it.

SAMPLE ANSWER

Explain why the Venus flytrap is an unusual plant. Use details from the text and your own ideas to support your answer.

The Venus flytrap is an unusual plant because it grows in the swamp and it has two leaves that attach to a rib and eat flies. I think the Venus flytrap is a dangerous plant because it could pull your finger off.
“The Ice Cream Taster”

**OBSERVATION**

The response shows clear references to textual details, makes inferences and provides a personal response. The answer could be more sharply focused by showing a contrast between the character in the poem and the student.

**SAMPLE ANSWER**

I would not like to go exploring. Junes, mountains and much more. I think I would answer it like I would be an explorer on just explore Canada.

“Song of the Sires”

**OBSERVATION**

The responses are accurate and demonstrate effective use of details to make inferences and draw conclusions.

**SAMPLE ANSWER**

Why does Mrs. Smith say line 5 of the text?
- ☐ to help students get a job
- ☐ to have students tell a story
- ☐ to entertain the students in the class
- ☑ to make the students think about their life

**SAMPLE ANSWER**

In lines 19–20, why is the word “thought” repeated?
- ☐ to tell why Wade wants to be an explorer
- ☐ to prove that the speaker knows what job to do
- ☑ to show that Mrs. Smith is unsure about how to answer
- ☐ to explain why Jasmine cannot think of what to do next
## Primary Reading

### LEVEL 4
Answers questions skilfully, with complex reasoning and insightful evidence

**TARGET**
Support students at Level 4 in analyzing and interpreting the ideas and information in texts, as well as in making judgements about texts.

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### IF STUDENTS NEED HELP WITH...
analyzing and interpreting the ideas and information in texts

- using a reader’s theatre strategy for students to develop collaborative interpretations of the texts.
- using a jigsaw strategy for the students to reread the text in “expert groups” and respond to different guiding questions based on the text. Have the students share their analysis and interpretations in “home groups” to develop interpretations of the whole text.

**THEN TRY...**

- using a strategy such as “Sketch to Stretch” to help them visualize their interpretation and identify the words and phrases they have used to create their images.
- reading aloud to them to model how descriptive language and word choice create images in the mind’s eye. Ask the students to describe or sketch what they imagine as they listen.
- examining the powerful descriptive language in posters with the students and comparing the language to that in other types of text.

**RESOURCE LINKS**

- A Guide to Effective Instruction in Reading, K–3, p. 3.28 [p. 105]
- Critical Literacies for All Ages in Critical Literacy webcast [p. 108]

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### integrating prior knowledge and opinions into responses

- using small group reciprocal reading activities for the students to ask and respond to one another’s questions.
- providing reading partners with an anticipation or agree/disagree guide based on the text and asking the students to provide support for their viewpoints.
- modelling for the students how to pause while reading to link “I wonder” and “I think” statements to the ideas in the text.

**THEN TRY...**

- using elements of style (e.g., descriptive language, word choice, voice) to support the interpretation of texts.

**RESOURCE LINKS**

- Critical Literacy: A Lens for Learning monograph [p. 107]
- Visualizing in Effective Instruction in Reading Comprehension webcast [p. 108]

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### You may see some or all of these characteristics in a student’s performance at this level:

**Answers to Questions**
- answers questions addressing a wide range of curriculum expectations and reading skills accurately and precisely
- expresses understanding clearly and thoughtfully in written answers

**Understanding of Text**
- understands text fully and relates it to background knowledge
- provides clear evidence of analysis in interpreting texts
- draws logical and relevant conclusions based on supporting details from the text
- makes inferences and interpretations that are often insightful
- integrates information and ideas in the text with prior knowledge

**Support for Answers**
- uses information from the text to support his or her thinking about significant ideas in the text
- uses extensive relevant explanations to support and justify his or her ideas and opinions about the text
SAMPLE ANSWER

Explain why Wayne Gretzky is called the “Great One.” Use details from the text and your own ideas to support your answer.

He was called the “Great One” because when he was 10, Wayne scored 378 goals in just 68 games. At the age of 17, he was the youngest player in professional hockey in North America. So I personally think these things are amazing!

SAMPLE ANSWER

Describe how Wayne Gretzky’s childhood helped him become a good hockey player. Use details from the text and your own ideas to support your answer.

His childhood helped him become a good hockey player because his dad made a rink in their backyard so Wayne began to play hockey on it. Plus his dad supported his desire to play hockey and helped him without pushing too much when he was little.
OBSERVATION

The responses are accurate. The student has used prior knowledge and relevant text details to make inferences and draw a logical conclusion.

SAMPLE ANSWER

In paragraph 1, the word “tied” means
- put together.
- create a bow.
- match or equal.*
- join with string.

SAMPLE ANSWER

In paragraph 3, the word “anticipate” means to
- know.*
- choose.
- explain.
- describe.

“Wayne Gretzky”

OBSERVATION

The student has used details and features from the text to make inferences and draw correct conclusions.

SAMPLE ANSWER

“The Venus Flytrap” is mainly about
- where the Venus flytrap grows.
- how the Venus flytrap gets its food.*
- when the Venus flytrap’s leaves close.
- why the Venus flytrap grows in swamps.

SAMPLE ANSWER

The pictures beside paragraph 3 help the reader see how the plant
- withers and dies.
- eats other plants.
- grows in the soil.
- traps and eats insects.*
**OBSERVATION**

The responses indicate a full understanding of the entire text and include multiple relevant details as well as evidence of a text-to-self connection that makes sense of the information in the text.

**SAMPLE ANSWER**

Explain why the Venus flytrap is an unusual plant. Use details from the text and your own ideas to support your answer.

"I think the Venus flytrap is an unusual plant because of its name. Venus is a planet and it does trap flies but it also traps other insects. I also think it's an unusual plant because it takes more than a week for each leaf to digest an insect."

**SAMPLE ANSWER**

Explain how “trigger hairs” help the Venus flytrap. Use examples from the text to support your answer.

"Trigger hairs" help the Venus flytrap because when an insect lands on a leaf, trigger hairs close like a trap and hold the insect inside. I think trigger hairs really help the Venus flytrap.

"The Venus Flytrap"
Primary Reading | Level 4

**OBSERVATION**

The response uses relevant details from the text to which the student compares personal experience and goals to answer the question.

*“The Ice Cream Taster”*

**SAMPLE ANSWER**

Explain whether or not you would answer the questions in lines 5–6 the same way that Wade does. Use details from the text and your own ideas to support your answer.

*“The Ice Cream Taster”*

I would not like to be a person who explores jungles, mountains, and much more. To places hot and cold, his fingers cross that he finds gold. Instead, I would like to be a marine biologist to swim with the dolphins. I swim with the dolphins every year.

**OBSERVATION**

The responses are accurate and demonstrate effective use of text details and the student’s prior knowledge to draw conclusions.

*“The Ice Cream Taster”*

**SAMPLE ANSWER**

Why does Mrs. Smith say line 5 of the text?

- to help students get a job
- to have students tell a story
- to entertain the students in the class
- to make the students think about their life

**SAMPLE ANSWER**

In lines 19–20, why is the word “thought” repeated?

- to tell why Wade wants to be an explorer
- to prove that the speaker knows what job to do
- to show that Mrs. Smith is unsure about how to answer
- to explain why Jasmine cannot think of what to do next
Wayne Gretzky

No wonder he’s been called the “Great One” ever since he was a kid. When he was 10, Wayne Gretzky scored 378 goals in just 68 games. At 17, he was the youngest player in professional hockey in North America. He has set or tied 61 National Hockey League (NHL) records and is the league’s all-time leading scorer.

Wayne began playing hockey on a rink his dad had made in their backyard in Brantford, Ontario. Wayne says his father supported his desire to play hockey and helped him without pushing too much. Wayne would shoot and skate for hours—he loved it so much that it never seemed like practising to him. When he played in the NHL, he would exhaust his teammates with his long practices.

He wasn’t big and his style wasn’t smooth, but Wayne had an accurate shot and a natural instinct for the game. He seemed to see plays happen in slow motion and could anticipate where the puck was heading.

Although proud of his records as a player, Wayne was especially proud to work with Canada’s men’s Olympic hockey team in 2002. He helped lead them to their gold medal.

Adapted from The Kids Book of Great Canadians by Elizabeth MacLeod © 2004. Used by permission of Kids Can Press

Photo: © Canadian Olympic Committee/The Canadian Press.
The Venus Flytrap
A Meat-Eating Plant!

The Venus flytrap is an unusual plant that was discovered over 200 years ago. It is found all over the world, but it is native to North and South Carolina. It grows in swamps, where the soil lacks nitrogen, an important part of a plant’s diet.

The Venus flytrap grows about 30 cm high. The plant’s leaves grow close to the bottom of the stem. Each leaf has two parts attached to a rib. The surface of each side has three sensitive hairs or trigger hairs, and the edges are fringed with sharp spikes.

The Venus flytrap feeds itself by trapping insects inside its leaves. When an insect lands on a leaf’s trigger hairs, the two sides close like a trap and hold the insect inside. The soft parts of the insect are then digested. It takes more than a week for each leaf to digest an insect and “spit” out the tough parts. After the plant has taken in the food, the trap opens, and the leaf is in position to capture another victim. After a leaf has caught several insects, it withers and dies. The Venus flytrap has been known to last as long as 25 years under good care.
The clock struck nine on Monday morning.
Mrs. Smith gave us a warning:
“Take out a pen each of you,
Let us make our dreams come true.”

“When you grow up, what will you be?
What is your future? What do you see?
Take your pen and write it down.
May you smile and not frown.”

Jasmine knew right away:
For her job she would play
Soccer all day in the sun.
What job could be more fun?

Wade wished to explore
Jungles, mountains and much more.
To places hot and places cold,
His fingers crossed that he finds gold.

I said, as I put up my hand,
“What if I have nothing planned?”
Mrs. Smith sat and thought,
And thought, and thought and thought a lot.
“A pilot, a teacher or maybe an actor?
A singer, a dancer or driver of a tractor?
Whatever it is you choose to do,
Make sure it reflects only you.”

I thought about what she said.
I let it sink into my head.
In the end I do believe,
My perfect job I can achieve.

An ice cream taster I will be,
The best job, I guarantee.
Peanut butter mango I will have with glee,
Yes! An ice cream taster I will be!
Primary Writing

LEVEL 1
Responds to part of the task using simple and often unconnected ideas while attempting to use a few conventions

TARGET
Support students at Level 1 in generating ideas, finding details and mastering the vocabulary to express them through multiple opportunities to discuss writing tasks with you and peers.

You may see some or all of these characteristics in a student’s performance at this level:

Responses to Tasks
- demonstrates some understanding of the assigned task when the prompt type is familiar
- connects to words in the assigned task through simple learned patterns (e.g., “I like…”, “I can…”)

Ideas/Organization
- expresses simple ideas based on personal experiences and/or preferences
- often leaves ideas unconnected
- develops ideas using simple patterns (e.g., list, simple sequence)
- strings together common words to express an idea, often using familiar oral language patterns
- uses words directly from the prompt as a tool for generating writing

Conventions (spelling, punctuation, grammar, usage)
- uses printing or cursive writing that is irregular and difficult to read
- uses spelling, punctuation and grammar that interferes with his or her expression and the reader’s understanding
- frequently bases spelling on the sounds of words and/or spells at random
- attempts to make sentences and experiments with capital letters and periods

IF STUDENTS NEED HELP WITH...

THEN TRY...

expanding their writing vocabulary
- reading mentor texts to note the writer’s use of language.
- using shared writing experiences to brainstorm interesting words.
- maintaining and adding to a word wall, or creating vocabulary anchor charts.
- having them collect words they would like to use in their writing.

A Guide to Effective Instruction in Writing, K–3, pp. 1.16 and 1.19 [p. 105]
Education for All, K–6, p. 109 [p. 105]
World of Words monograph [p. 107]

generating ideas
- providing opportunities for them to use think, pair, share after real-life experiences
- using group picture mapping to visualize sequence and details.
- using storytelling as an oral pre-writing strategy to illustrate how to develop plot and characters.
- having them use an “I wonder” book to record questions they would like to investigate further.

Education for All, K–6, p. 108 [p. 105]
Storytelling and Story Writing monograph [p. 107]

ordering and grouping ideas
- having them reconstruct texts from jumbled paragraphs.
- providing sticky notes for them to record, arrange and rearrange ideas.
- using graphic organizers to help them focus and group ideas.

Education for All, K–6, p. 109 [p. 105]
Organization, Revision and Reflection in Non-Fiction Writing webcast [p. 108]

using written language structures (using the conventions of written language)
- using oral rehearsal of words and parts of words to reinforce proper spelling.
- providing mini-lessons on editing for sentence length and variety.
- creating class anchor charts for punctuation marks.

Education for All, K–6, pp. 109–110 [p. 105]
Primary Writing | Level 1

The sample responses on the following pages are selected from one student's body of work to illustrate some common characteristics of work at Level 1 and possible areas for growth that can be observed among several responses. Although EQAO does not score the content in the ideas box, the student's prewriting can provide insights into his or her writing process.

**SAMPLE ANSWER**

Choose the word that correctly completes the following sentence.

The winner of the music contest ___ at the meeting.

- sing
- sang
- singed
- sanged

**SAMPLE ANSWER**

Which is the correct plural form of the word “candy”?

- candys
- candies
- candees
- candyes

**SAMPLE ANSWER**

Which sentence would add the best supporting details to the following paragraph?

There are many types of fish in the world. Some fish live in fresh water, while others live in salt water. Fish can have bright colours, like green, purple and red. There are many different kinds of fish.

- There are also some mammals that live in the water.
- Many colours can be seen from far away, like green and red.
- Some fish are small, like guppies, while others are larger, like bass. *
- The world is a big place, with many kinds of mammals and reptiles.
Primary Writing | Level 1

SAMPLE ANSWER

Write instructions that explain how to prepare for school.

I go to school every day with my

antifes and I brad your

feet and bad your

and put on your

and school

and my


Remember:
• Check over your work.
• Check your spelling,
  grammar and punctuation.

Write your instructions here.

I go to school every day with my antifes and I brad your feet and bad your sand and put on your school pans and school sanato and my bakpak.
OBSERVATION
The response indicates some understanding of the assigned task. The ideas expressed are simple and demonstrate limited understanding of how to include supporting details to support a main idea.

SAMPLE ANSWER
Describe how the weather affects the way people dress.

Ideas for My Paragraph
The weather affects me a lot and it is not good for me at all more and that what I think

Remember:
• Check over your work.
• Check your spelling, grammar and punctuation.

Write your paragraph here.
The weather affects me a lot and it is not good for me at all more and that what I think
Primary Writing | Level 1

SAMPLE ANSWER

Write a letter to a newspaper explaining why everyone should be responsible for keeping their community clean.

Ideas for My Letter

- Make sure the world is more
- Not be a garbage dump and
- Make it a wonderful world
- Clean it

Remember:
- Check over your work.
- Check your spelling, grammar and punctuation.
OBSERVATION

The response demonstrates some understanding of the structure of a letter. The student has responded to the task with a limited number of relevant details that are largely undeveloped. The response expresses a personal opinion based on a personal experience rather than developing ideas about why everyone should be responsible for keeping the community clean.

Sentence structure and punctuation interfere with the student’s expression and the reader’s understanding of the response.

SAMPLE ANSWER (continued)

Write your letter here.

Dear newspaper,

I think the community should be clean because it needs to be a wonderful place to live in and also not to have garbage all over the place on the ground. Because there are sometimes animals that eat garbage and they are on my front lawn.
# Primary Writing

**LEVEL 2**

Responds to aspects of the task with simple ideas drawn from personal experience and using simple conventions

### IF STUDENTS NEED HELP WITH...

<table>
<thead>
<tr>
<th>Grouping and organizing ideas and supporting details into sentences and paragraphs</th>
<th>THEN TRY...</th>
</tr>
</thead>
<tbody>
<tr>
<td>using different forms of writing</td>
<td>grouping how to group similar ideas from a quick-write draft.</td>
</tr>
<tr>
<td>using mentor texts to explore the purposes and features of forms of writing.</td>
<td>having partners create and share templates for specific writing forms.</td>
</tr>
<tr>
<td>having students sort ideas and create a paragraph structure.</td>
<td>co-creating anchor charts that illustrate the elements and structures of different forms.</td>
</tr>
<tr>
<td>having the students create a simple self-checklist of questions about paragraph organization to use when drafting writing.</td>
<td>asking the students to collect samples of different forms of writing and posting them with the appropriate anchor charts.</td>
</tr>
</tbody>
</table>

### Writing with a Purpose and for an Intended Audience

<table>
<thead>
<tr>
<th>Using conventional spelling, punctuation and grammar to convey meaning clearly</th>
<th>THEN TRY...</th>
</tr>
</thead>
<tbody>
<tr>
<td>using a shared-writing approach for the students to create a text for a specific purpose and audience (e.g., friendly letter to a pen pal)</td>
<td>modelling how to proofread and correct errors in a chart story.</td>
</tr>
<tr>
<td>modelling how to vary language and word choice depending on the purpose and audience.</td>
<td>co-creating a simple checklist as a class reference.</td>
</tr>
<tr>
<td>creating a word wall of effective language to satisfy different purposes (e.g., describe, explain).</td>
<td>brainstorming a list of words appropriate for a writing task and posting them on an anchor chart to support spelling.</td>
</tr>
</tbody>
</table>

### Responses to Tasks

- responds to some key words in the task
- attempts to write in the form required by the task

### Ideas/Organization

- expresses ideas that are sometimes unconnected
- begins to order ideas and use simple logical structure (e.g., beginning, middle, end)
- repeats ideas that may be unconnected or supported by few details
- uses simple connecting words (e.g., and, but, first, then)
- supports ideas with personal experience only

### Conventions (spelling, punctuation, grammar, usage)

- demonstrates inconsistent awareness, understanding and use of conventions
- makes simple sentences using common words and inconsistent punctuation
- experiments with words containing vowel combinations, verb endings and more than one syllable
- uses invented spelling for many words

### Resource Links

- *Education for All, K–6*, p. 109 [p. 105]
- Bridget Scimes—Report Writing subsection of Non-Fiction Writing webcast [p. 109]
- *A Guide to Effective Instruction in Writing, K–3*, pp. 1.21 and 5.6 [p. 105]
- *Education for All, K–6*, p. 108 [p. 105]
- Sharing Student Writing in Word Study in Action webcast [p. 109]
The sample responses on the following pages are selected from one student's body of work to illustrate some common characteristics of work at Level 2 and possible areas for growth that can be observed among several responses. Although EQAO does not score the content in the ideas box, the student's prewriting can provide insights into his or her writing process.

**OBSERVATION**

Although incorrect, the responses suggest the student has attempted to use the context of the sentence or paragraphs to determine an answer.

The first response suggests that the student has generalized familiar patterns in an attempt to create the past tense of the verb.

The second response suggests that the student has selected an opening sentence based on prior knowledge of the topic rather than the main idea of the paragraph.

The third response selects a detail related to where fish live (water) rather than a detail about the types of fish.

**SAMPLE ANSWER**

Choose the word that correctly completes the following sentence.

The winner of the music contest ________ at the meeting.

- sing
- sang
- singed
- sanged

**SAMPLE ANSWER**

Which sentence would add the best supporting details to the following paragraph?

There are many types of fish in the world. Some fish live in fresh water, while others live in salt water. Fish can have bright colours, like green, purple and red. There are many different kinds of fish.

- There are also some mammals that live in the water.
- Many colours can be seen from far away, like green and red.
- Some fish are small, like guppies, while others are larger, like bass.
- The world is a big place, with many kinds of mammals and reptiles.

**SAMPLE ANSWER**

Choose the best opening sentence for this paragraph.

- It makes lights glow. It runs the computer, television, washing machine, refrigerator and other appliances. It makes flowers bloom, trees grow and water flow. The world is full of energy.
- We need to save energy.
- Children are full of energy.
- Energy makes things happen.
- We use lots of energy in the gym.
**OBSERVATION**

The response indicates an understanding of some key ideas in the task but is written in a diary format rather than in the form of instructions for preparing for school. The writer supports the response with multiple relevant details that may be overly personal for instructions. The response uses a few simple connecting words to add some order to the ideas. Spelling is largely phonetic and interferes with the reader’s understanding.

---

**SAMPLE ANSWER**

Write instructions that explain how to prepare for school.

**Ideas for My Instructions**

You walk up and ent drefis and then you get drest you get your bag rety for school then you get your luns rety you get your plarn and out it in your beg and then you go to schon.

Remember:
* Check over your work.
* Check your spelling, grammar and punctuation.

Write your instructions here.

You walk up and have breas and then you get drest, you get your bag and get your plarn and get your lunch rety, you get your hair drouch and you brunish your hair. And I want and play for 20 or 25 mins and work t.v. Then get my beg and go out and go on the bus.
The student has responded to some key words in the task and focused only on how people dress, not on how the weather affects the way people dress. The student includes multiple details, but the ideas are not organized to show a clear connection to the task. The sentences are simple. The spelling interferes with the reader’s understanding.

SAMPLE ANSWER

Describe how the weather affects the way people dress.

**Ideas for My Paragraph**

People dress like a da'sr saw they would dress is they have a 3 colour and made a flower, people have party dres like they are all differnt coolors, they are all speciais, they mint have some horns or flowres, people have sorn dress they have log dress, And sizis.

Remember:
- Check over your work.
- Check your spelling, grammar and punctuation.

Write your paragraph here.
SAMPLE ANSWER

Write a letter to a newspaper explaining why everyone should be responsible for keeping their community clean.

Ideas for My Letter

Remember:
• Check over your work.
• Check your spelling, grammar and punctuation.
OBSERVATION

The response shows some understanding of the task and develops one main idea with related and sometimes repeated details (putting garbage in our pockets and not on the ground). The response does not demonstrate knowledge of letter form but does explain what people can do to keep the world healthy and clean. The student uses mostly simple and some complex sentences. Largely phonetic spelling interferes with the reader’s understanding.

SAMPLE ANSWER (continued)

Write your letter here.

People litter in cities because there is no garbage bags a food.
I was thinking that we should put a garbage bags a rand tons.
If people put the rapists in the garbage we will have a good world clean.
Many people put the garbage in their pockets instead of the grand. People can be mane to the evimit by putting the garbage on the grand. The evimit will be bethy if we dont put the garbage on the grand.
If we put the garbage in are pucit or in the garbage can the wrold will be bethy. If we put the cans and the garbage on the grand the wrold will be net in portin to us.
Primary Writing

LEVEL 3

Responds purposefully to the task with an awareness of the reader, using relevant ideas and appropriate conventions

TARGET
Encourage students at Level 3 to develop a personal voice through strategic choice of ideas and details, and attention to vocabulary that expresses thoughts specifically and vividly.

IF STUDENTS NEED HELP WITH...

THEN TRY...

maintaining a clear and focused main idea

- modelling the use of a web to show how ideas connect to the main idea in a student writing sample.
- using an exemplar or chart story to show one or more paragraphs that maintain a clear focus on the main idea while developing a different aspect of the topic.
- using small-group read-alouds for students to share their writing to identify points of confusion, gaps in content, missing details, etc.

developing a personal style appropriate to the topic, form, purpose and audience

- using interactive writing to construct opening and closing paragraphs that have a powerful voice.
- using two or three exemplars of single informational paragraphs on the same topic, and highlighting elements such as word choice and organization of sentences to illustrate different writing styles.
- having students retell a familiar story by changing the setting, characters and/or event details.
- using dramatic retellings and re-enactments for students to explore and imagine different people’s roles in an important historical event.

- selecting vocabulary and using writing elements to suit a particular purpose and audience

- using a mentor text to prompt discussion about how purpose and audience affect word choice and sentence length and variety.
- providing small groups with a paragraph with blank spaces in place of some adjectives, nouns and verbs and asking each group to fill in the blanks with a different audience in mind. As a class, share and compare paragraphs.
- creating a class thesaurus of synonyms and antonyms related to a particular theme.

- You may see some or all of these characteristics in a student’s performance at this level:

  **Responses to Tasks**
  - understands the task and writes in the form required by it
  - demonstrates awareness of the audience and the purpose for writing

  **Ideas/Organization**
  - writes with a plan and a purpose
  - clearly expresses ideas and opinions
  - often supports ideas with facts, details and relevant personal experiences
  - uses transition words
  - begins to convey messages through a personal style (e.g., images, humour)

  **Conventions (spelling, punctuation, grammar, usage)**
  - applies conventional spelling, punctuation and grammar
  - uses various sentence structures
  - uses a variety of vocabulary, phrases, adjectives and adverbs
  - includes text and print features (e.g., words in capital letters, indents, boldface) for effect

RESOURCES LINKS

- A Guide to Effective Instruction in Writing, K–3, pp. 3.6–3.7 [p. 105]
- Education for All, K–6, p. 109 [p. 105]
- Storytelling and Story Writing monograph [p. 107]
- A Guide to Effective Instruction in Writing, K–3, Chapter 4 [p. 105]
- Bridget Scimes—Report Writing in Non-Fiction Writing webcast [p. 109]
- Why Student Voice Matters [p. 108]
- A Guide to Effective Instruction in Writing, K–3, pp. 1.20, and 1.26 Appendix 1–1, 6.17 Appendix 6–7 [p. 105]
- Education for All, K–6, p. 108 [p. 105]
- Powerful Words: The Reading/Writing Connection in Word Study in Action webcast [p. 109]
The sample responses on the following pages are selected from one student’s body of work to illustrate some common characteristics of work at Level 3 and possible areas for growth that can be observed among several responses. Although EQAO does not score the content in the ideas box, the student’s prewriting can provide insights into his or her writing process.

**Observation**
The responses indicate a clear sense of paragraph sequence and structure.

**Observation**
The response demonstrates a clear understanding of paragraph development and use of relevant detail to create coherence.

**Sample Answer**

Choose the best order to make a paragraph using the sentences below.

1. It lasted for 18 hours.
2. Last summer, we took the longest airplane ride ever!
3. When we finally arrived, we had a wonderful visit with our relatives.
4. During the flight, the crew served us six meals.

- 2, 1, 4, 3
- 4, 3, 2, 1
- 1, 3, 2, 4
- 3, 1, 2, 4

**Sample Answer**

Choose the best opening sentence for this paragraph.

__________ It makes lights glow. It runs the computer, television, washing machine, refrigerator and other appliances. It makes flowers bloom, trees grow and water flow. The world is full of energy.

- We need to save energy.
- Children are full of energy.
- Energy makes things happen.
- We use lots of energy in the gym.

**Sample Answer**

Which sentence would add the best supporting details to the following paragraph?

There are many types of fish in the world. Some fish live in fresh water, while others live in salt water. Fish can have bright colours, like green, purple and red. There are many different kinds of fish.

- There are also some mammals that live in the water.
- Many colours can be seen from far away, like green and red.
- Some fish are small, like guppies, while others are larger, like bass.
- The world is a big place, with many kinds of mammals and reptiles.
SAMPLE ANSWER

Write instructions that explain how to prepare for school.

Ideas for My Instructions
- Tell the order to do things.
- Grab my ideas and put them in one.

Remember:
• Check over your work.
• Check your spelling, grammar and punctuation.

Write your instructions here.

1. Get out of bed. 2. Go to the kitchen and eat breakfast.
Primary Writing | Level 3

OBSERVATION

The response demonstrates a clear understanding of the task and uses an effective, humorous, questioning approach to convey an appropriate message. There is evidence of voice. Details are related to the student's main idea but tend to be general rather than specific. Some punctuation and spelling are unconventional but do not interfere with the reader's understanding.

SAMPLE ANSWER

Describe how the weather affects the way people dress.

Ideas for My Paragraph
- Tell what people might wear on a cold and hot day.
- Say what they might do if people don't dress properly.
- Tell reasons why.

Write your paragraph here.

What would happen if you were really warm and warm clothes on a hot day. You'd be boiling right. Well what happens if you were really cold clothes on a cold day like shorts and stuff. You'd be freezing cold. Well you should always, always make sure you dress appropriately for the weather. Who knows one day it could be freezing and the next day it could be boiling hot.

Remember:
- Check over your work.
- Check your spelling, grammar and punctuation.
Primary Writing | Level 3

SAMPLE ANSWER

Write a letter to a newspaper explaining why everyone should be responsible for keeping their community clean.

Ideas for My Letter

- Give reasons why
- Tell what is there to clean up
- Tell when we can do it

Remember:

- Check over your work.
- Check your spelling, grammar and punctuation.
OBSERVATION

The student has responded to the task with relevant, specific details but minimal elements of the letter form. The main idea is developed using relevant supporting ideas in a simple organizational structure. There is an attempt to use transition words, but it is not consistent. The student uses a variety of sentence structures and appropriate punctuation. Occasional grammar or spelling issues do not interfere with the reader’s understanding.

SAMPLE ANSWER (continued)

Write your letter here.

I think everyone should be responsible for keeping our community clean. I think this because if you leave litter around the community, it doesn’t make it look nice.

First off, there is a lot of plastic bottles, cigarettes, pop cans, pop tops and plastic bags lying in the park and on the side of the road. People get upset because animals can get trapped and it can even cause trouble for us. We want to help as seen as we can, or this can cause problems. So if you see some litter, pick it up and put it in the garbage.

Sincerely, [name]
### Primary Writing

#### LEVEL 4

Responds competently and thoughtfully to the task with complex ideas and effective use of conventions, creating engaging and appealing written work.

#### TARGET

Assist students at Level 4 in refining their writing through sentence variety, strategic organization of ideas in paragraphs and development of a personal voice through the choice of vocabulary to suit the particular audience and purpose.

#### IF STUDENTS NEED HELP WITH...

<table>
<thead>
<tr>
<th>Organizing ideas into several paragraphs</th>
<th>Then try...</th>
<th>Resource Links</th>
</tr>
</thead>
<tbody>
<tr>
<td>using all the features of the assigned written forms</td>
<td>examining mentor texts to identify and label the key features.</td>
<td>A Guide to Effective Instruction in Writing, K–3, pp. 1.20 and 1.26 Appendix 1–1 [p. 105]</td>
</tr>
<tr>
<td></td>
<td>having small groups reconstruct a non-fiction writing form from jumbled paragraphs and compare their decisions.</td>
<td>Education for All, K–6, p. 109 [p. 105]</td>
</tr>
<tr>
<td></td>
<td>using interactive writing to co-create the writing form with all of its key features.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>asking students to create an illustrated book about how to write in a particular form.</td>
<td></td>
</tr>
</tbody>
</table>

#### Using a point of view, word choices and stylistic elements to develop a personal style in their writing

<table>
<thead>
<tr>
<th>Resource Links</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storytelling and Story Writing monograph [p. 107]</td>
</tr>
<tr>
<td>Word Study in Non-Fiction Writing webcast [p. 109]</td>
</tr>
</tbody>
</table>

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You may see some or all of these characteristics in a student’s performance at this level:

**Responses to Tasks**
- responds effectively to the assigned tasks
- makes effective choices related the audience, purpose and form

**Ideas/Organization**
- maintains consistent, clear main idea or message throughout the writing
- expresses complex ideas with effective details and elaborations
- uses a voice that is expressive and appropriate to the audience and purpose
- engages and appeals to the reader through purposeful and effective use of techniques such as humour and dialogue
- organizes writing skilfully, with smooth transitions and connections between sentences and paragraphs

**Conventions (spelling, punctuation, grammar, usage)**
- uses conventions (spelling, grammar, punctuation) accurately and effectively to enhance the richness of the written message
- engages the reader through word choice, linking words and a variety of sentence types (e.g., simple, compound and complex sentences, questions, exclamations)
SAMPLE ANSWER

Choose the best order to make a paragraph using the sentences below.

1. It lasted for 18 hours.
2. Last summer, we took the longest airplane ride ever!
3. When we finally arrived, we had a wonderful visit with our relatives.
4. During the flight, the crew served us six meals.

- 2, 1, 4, 3
- 4, 3, 2, 1
- 1, 3, 2, 4
- 3, 1, 2, 4

SAMPLE ANSWER

Choose the best opening sentence for this paragraph.

*It makes lights glow. It runs the computer, television, washing machine, refrigerator and other appliances. It makes flowers bloom, trees grow and water flow. The world is full of energy.

- We need to save energy.
- Children are full of energy.
- Energy makes things happen.*
- We use lots of energy in the gym.

OBSERVATION

The responses indicate a clear sense of paragraph structure and coherence.

OBSERVATION

The response indicates that the student still needs to refine his or her use of some familiar words.

SAMPLE ANSWER

Choose the pair of words that correctly completes the sentence.

On the weekend, you might go ___ the park with your ___ friends.

- to, too
- too, to
- to, two *
- too, two
SAMPLE ANSWER

Write instructions that explain how to prepare for school.

Ideas for My Instructions
For school you must have a backpack, pencils, sharpeners, erasers, proper clothes, and staffy that you are supposed to bring to school like...............

Write your instructions here.

Indent

To be prepared for school you must have a backpack, pencils, erasers, sharpeners and you must have proper clothes on and you must be nice to teachers and be nice to others. You should bring indoor shoes and outdoor shoes. You ask your teacher when you have gym so you know when to bring your shorts and to have proper shoes. Short sleeve shirt and remember to always have a smile on your face when you go to gym.

Remember:
• Check over your work.
• Check your spelling, grammar and punctuation.
SAMPLE ANSWER

Describe how the weather affects the way people dress.

Ideas for My Paragraph
If it’s snowing then people that have
short sleeve shirts are
going to want to change in something
warmer like...........

Write your paragraph here.

The weather affects the way people dress
because if it was winter and everyone wore big
jackets, mittens, boots and scarves and when they
got out it was so hot and sunny that it makes
everyone go inside and change into something nice.
Another way the weather affects the way people dress
is that if I had a shirt on and it was raining
that would make me say that maybe next time
I should ask what the weather is so now it makes
me want to go change into something else. That’s how
the weather affects the way people dress.
Primary Writing | Level 4

SAMPLE ANSWER

Write a letter to a newspaper explaining why everyone should be responsible for keeping their community clean.

Ideas for My Letter

If you don’t clean up your community, it will look gross with stuff everywhere. It will be messy and dirty and people won’t go around your community because no one is responsible to ever clean.

Remember:
• Check over your work.
• Check your spelling, grammar and punctuation.
OBSERVATION

The student has responded to the task prompt using an appropriate letter form. Although there is some repetition, the overall message is clearly and consistently developed. More details of greater relevance and specificity would help the student to avoid repetition and enrich the message. Minor issues with spelling and punctuation do not interfere with the strong message.

SAMPLE ANSWER (continued)

Write your letter here.

Dear Newspaperpeople, 

Thur May 28th

I think everyone should be responsible for cleaning up their community because if no one in the world helped to clean up their community everyone's community would look gross with stuff everywhere. It will messy, dirty and no one would want to go around your communitys they would be so dirty and messy because no one's responsible to help clean up. So I think we should start having a Clean up Community Day so everyone will clean up their communities on those Clean up Community Days. So now we can have clean communities everyday. Now everyone will want to come and visit you because you have a nice fresh community.

Sincerely,

[name]
Primary Mathematics

LEVEL 1

Uses addition to respond to simple problems and offers brief explanations of results.

TARGET
Support students at Level 1 in developing fluency in the selection and use of basic operations and procedures for solving problems in different contexts.

You may see some or all of these characteristics in a student’s performance at this level:

### Computation
- recognizes symbols for addition
- uses addition correctly in familiar contexts
- attempts other simple operations
- creates and extends simple number patterns (e.g., 2, 4, 6 …)

### Problem Solving
- copies numbers and words from the question as all or part of an answer
- reads questions literally, without extracting mathematical cues about relationships and content
- reads explicitly presented information in charts, diagrams and graphs
- uses addition for most problem solving whether or not it is appropriate
- recognizes familiar geometric shapes (e.g., square, circle) and figures (e.g., prisms, pyramids)
- offers some illogical solutions

### Communication
- provides brief explanations of mathematical thinking and processes
- often explains thinking and processes by restating the question

<table>
<thead>
<tr>
<th>IF STUDENTS NEED HELP WITH...</th>
<th>THEN TRY...</th>
<th>RESOURCE LINKS</th>
</tr>
</thead>
</table>
| expanding their computational skills, including counting and operational sense | - creating classroom charts of environmental print samples that illustrate the concepts of number as label and number as quantity.  
- having the students use manipulatives to explore connections between counting and quantity.  
- having the students use number lines and charts to represent addition and subtraction questions. | Number Sense and Numeration, K–3. pp. 5–9; 9–13; 17–21; 32–40 [p. 106]  
Patterning and Algebra, K–3, pp. 35–36 [p. 106]  
Primary numeracy module: Operational Sense [Video Webcast] at www.eworkshop.on.ca |

| understanding the mathematical relationships in problems | - modelling how to read questions and represent situations with manipulatives and/or pictures.  
- using think-alouds to show what action is represented by each operation in a problem and the relationships between operations (e.g., addition is joining; subtraction is separating or comparing).  
- asking partners to describe the situation in a problem and explain their understanding of it.  
- using retell-relate-reflect for the students to paraphrase what the problem is asking and compare it to other problems to find similarities and differences. | Number Sense and Numeration, K–3. pp. 44–54 [p. 106]  
Geometry and Spatial Sense, K–3 pp. 40–42 [p. 106]  
Patterning and Algebra, K–3, pp. 8–18 [p. 106]  
Primary numeracy module: Number relationships [Video Webcast] at www.eworkshop.on.ca |

| developing strategies to represent their mathematical thinking | - posing problems in familiar contexts, making real-life connections to the problems.  
- modelling how to use manipulatives to represent the concepts, patterns and relationships in the problem and then recording the same thinking with sketches and diagrams.  
- having the students discuss problems and solutions among themselves before they draw or write to show their thinking. | Number Sense and Numeration, K–3. pp. 55–63 [p. 106]  
Communication in the Mathematics Classroom monograph [p. 107] |

| developing mathematical vocabulary | - modelling the use of math words throughout the day, using them in different contexts and clarifying their meaning.  
- asking small groups to talk about their mathematical thinking and compare their ideas to those of other groups.  
Volume 3. p. 66 [p. 106]  
OBSERVATION

The responses indicate an inconsistent grasp of simple mathematical relationships. In the first response, the student has incorrectly used subtraction and/or addition, or may have misunderstood the relationships that equations represent. In the second, the sum 63 + 17 is correctly decomposed to 60 + 10 + 7 + 3.

SAMPLE ANSWER

In which box can 6 be placed to make the equation true?
- 30 - 4 = 18 + $\boxed{6}$
- 30 - 4 = 19 + $\square$
- 30 - 4 = 20 + $\square$
- 30 - 4 = 21 + $\square$

SAMPLE ANSWER

Joseph adds 63 + 17 in his head. Which of the following will give Joseph the same answer?
- 60 + 10 + 7
- 60 + 20 + 10
- 60 + 10 + 7 + 3 *
- 60 + 10 + 10 + 3
**OBSERVATION**

The responses recognize familiar geometric forms and properties. The first response suggests the student understands the concept of area but has not accounted for the half-squares in the triangles. In the second response, he or she identifies the hexagonal-based pyramid but answers inconsistently, as "octagonal-based pyramid" is marked as the answer.

**SAMPLE ANSWER**

What is the area of this shape?

- 18 square units
- 20 square units
- 22 square units
- 26 square units

**SAMPLE ANSWER**

The chart below shows information about the faces of some pyramids.

<table>
<thead>
<tr>
<th>Name</th>
<th>Base</th>
<th>Remaining sides</th>
</tr>
</thead>
<tbody>
<tr>
<td>Square-based</td>
<td>□</td>
<td>△△△</td>
</tr>
<tr>
<td>Triangular-based</td>
<td>△</td>
<td>△△△</td>
</tr>
<tr>
<td>Hexagonal-based</td>
<td>⬤</td>
<td>△△△</td>
</tr>
</tbody>
</table>

What pyramid name is missing from the chart?

- octagonal-based
- hexagonal-based
- pentagonal-based
- rectangular-based
OBSERVATION

The student has read the question and determined that the graph needs to be completed, but it is unclear in the work presented what concepts the student understands. The bars for triangles 4 and 5 do not indicate an understanding of the pattern or the relationship between straws and triangles. However, the representation of 18 straws for six triangles is correct. For the second part of the question, the student has repeated the number in the question but has not calculated the number of straws.

SAMPLE ANSWER

Sally is making triangles using straws.
She creates a bar graph to show how many straws she needs to make triangles.

Complete the graph to show the number of straws for 4, 5 and 6 triangles.

How many straws will Sally need to make 8 triangles?

Justify your answer.
There is 8 triangles and it is said 48 straws. It is bigger.
**OBSERVATION**

The student has had some success selecting the correct answer to solve single-step problems. He or she understands simple relationships (longest to shortest, units) and uses addition in familiar contexts. The second response suggests that the student has added incorrectly to reach a sum of 92 rather than 82, or does not understand rounding.

**SAMPLE ANSWER**

Jocelyn surveys all the Grade 3 students about their favourite colour.

Her results are shown in the table below.

<table>
<thead>
<tr>
<th>Favourite Colour</th>
<th>Number of students</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>24</td>
</tr>
<tr>
<td>Blue</td>
<td>16</td>
</tr>
<tr>
<td>Green</td>
<td>8</td>
</tr>
<tr>
<td>Yellow</td>
<td>11</td>
</tr>
</tbody>
</table>

Create a bar graph showing this data. Remember to include all titles and labels. Your graph must fit on the grid below.

**SAMPLE ANSWER**

Which of the following lists the measurements in order from longest to shortest?

- 90 cm; 1 m 34 cm; 223 cm
- 223 cm; 1 m 34 cm; 90 cm
- 223 cm; 90 cm; 1 m 34 cm
- 1 m 34 cm; 90 cm; 223 cm

**SAMPLE ANSWER**

The school has 37 red skipping ropes and 45 blue skipping ropes.

Which number below is closest to the total number of skipping ropes the school has?

- 75
- 80
- 85
- 90
**OBSERVATION**

The student has not understood clearly what the question is asking. The student has read the question literally without extracting mathematical cues about relationships and context. The student appears to have read the pictograph, completed the half-square for “Other,” and, without reference to the key, restated the numbers of people choosing the different animals. There has been no attempt to determine the information for dogs.

**SAMPLE ANSWER**

In a class, 26 students choose their favourite type of animal. Their answers are shown in the pictograph below.

<table>
<thead>
<tr>
<th>Favourite Type of Animal</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Cat</td>
<td>4</td>
</tr>
<tr>
<td>Bird</td>
<td>7</td>
</tr>
<tr>
<td>Dog</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td>2</td>
</tr>
</tbody>
</table>

**Key**

Each □ represents 2 students.

The pictograph is missing the information for dogs.

Complete the pictograph to show how many students choose dogs.

```
3 people like Cat and Bird 5 Dog
Other a.
```
Primary Mathematics | Level 1

**OBSERVATIONS**

The student has not answered the question, but rather copied the numbers from the question.

For the number of quarters, the student has written the total value of $5.25.

**SAMPLE ANSWER**

Ethan saves 11 quarters.
He wants to buy a book that costs $5.25.
How many more quarters does Ethan need to save to buy the book?

Justify your answer.

Ethan needs to save $5.25 more quarters.
OBSERVATION

The response indicates that the student has read and understood some of the information in the question (e.g., “plays at the park,” “walks only on the grid lines,” “shortest path”), but has missed the cue that Dale goes to the park and then goes home. Instead, the student has drawn a path from the school to the park and another path from the school to the house.

SAMPLE ANSWER

Dale plays at the park each day after school.

He walks only on the grid lines. Draw the shortest path he can take from the school to the park and then to his house.

Describe Dale’s path.

He goes directly to the park and then home.

School
Primary Mathematics

LEVEL 2

Uses addition and subtraction to respond to single-step problems, interpreting information literally from a variety of formats.

TARGET
Support students at Level 2 in learning and applying different strategies for performing computations, such as mental calculation, estimation and algorithms.

IF STUDENTS NEED HELP WITH... THEN TRY...

consolidating computational skills and strategies

- creating a strategy wall for students to refer to when solving problems using computational skills.
- using mathematical games for the student to practise computational skills in different contexts, such as counting forward and backward, and composing and decomposing numbers.
- having the students select and use manipulatives (e.g., bead strings, hundred charts, tiles) to solve problems requiring computational skills.

identifying relationships to solve problems

- using think-alouds to show how to create mental images (e.g., invisible number line, hundreds chart, pattern blocks) to see relationships.
- providing everyday activities requiring the students to see mathematical relationships (e.g., compose and decompose numbers, consider properties of geometric figures).
- using activity centres for investigations and inquiries to develop reasoning about relationships (e.g., addition is inverse of subtraction, triangles can form a rectangle, patterns are often implied in one another).

representing their mathematical thinking

- modelling how to use different ways of representing mathematical thinking, such as tables, charts, graphs, tallies, sketches and words.
- using shared approaches to mathematics such as think, pair, write to develop written solutions, and collaborative groups of three to represent a solution and then participate in a class discussion about the mathematical thinking in each group’s solution.
- using mathematical language in context in all subject areas.

checking solutions for reasonableness

- having the students use estimation to anticipate the solution before solving problems.
- modelling checking strategies (e.g., substituting answers back into the original problem to see if they make sense).
- have students use the four-step problem-solving model.

You may see some or all of these characteristics in a student’s performance at this level:

**Computation**
- uses addition correctly to solve single-step problems (e.g., \(15 + 10\))
- uses simple operations (e.g., addition, subtraction) when problems are presented in familiar forms (e.g., \(17 + 21\))
- extends simple number and geometric patterns

**Problem Solving**
- has a literal understanding of the problem, but may not relate solution to the context
- may focus on part of the question rather than the whole
- interprets explicitly presented information from questions, charts, diagrams and graphs
- uses familiar cues to determine how to solve problems, but misses some mathematical cues about relationships and context and solves only part of the problem
- constructs simple patterns
- solves problems without necessarily associating numbers and their measurement units
- tries to solve all problems
- often represents mathematical thinking with unlabelled pictures

**Communication**
- offers first answers as final answers
- restates the question or answer or proof rather than elaborating

**RESOURCE LINKS**

- Number Sense and Numeration, K–3, pp. 5–14; 17–28; 32–36; 40–45 [p. 106]
- Volume 2. pp. 38–45 [p. 106]
- Volume 3. pp. 45; 50–51; 93 [p. 106]
- Primary numeracy module: communication at www.eworkshop.on.ca
- Bansho in High-Yield Strategies webcast [p. 108]
The sample responses on the following pages are selected from one student's body of work to illustrate some common characteristics of work at Level 2 and possible areas for growth that can be observed among several responses. Although EQAO does not score the written evidence of the student's thinking about multiple-choice questions, it can provide insights into his or her mathematical thinking and problem-solving processes.

**OBSERVATION**

The responses extend simple number patterns. The response to the first question completes the pattern by adding 25, and that to the second question, by adding 13.

**SAMPLE ANSWER**

What are the missing numbers in the skip-counting pattern below?

800, 825, 850, 875, ___, ___, ___, 975

- 885, 895, 905
- 895, 900, 905
- 900, 925, 950
- 905, 930, 945

**SAMPLE ANSWER**

An increasing pattern is shown. What are the next four terms in the pattern?

1, 14, 27, 40, 53, ___, ___, ___

- 66, 79, 92, 105
- 66, 80, 93, 107
- 67, 80, 93, 106
- 67, 82, 96, 111

**OBSERVATION**

The student has used simple operations (e.g., addition, subtraction) to solve familiar problems. For example, in the first question, he or she may have determined the total number of days by using repeated addition (i.e., $7 + 7 + 7 + 7$) or multiplication (i.e., $4 \times 7$), or by looking at a calendar. In the second question, he or she may have determined the change by subtracting or skip counting by 25s.

**SAMPLE ANSWER**

How many days are in 4 weeks?

- 7
- 14
- 28
- 30

**SAMPLE ANSWER**

Samir spends $7.25 at the store. How much change should he receive from $10.00?

- $2.25
- $2.75
- $3.25
- $3.75
SAMPLE ANSWER

Look at the letters below. Count the lines of symmetry each letter has.

AMIT

How many lines of symmetry are there in total?

- 3
- 4
- 5
- 6

SAMPLE ANSWER

Complete the shape on the grid so that it is symmetrical. Use the dashed line as a line of symmetry.

Explain how you know the completed shape is symmetrical.

That will be a curve line.
**OBSERVATION**

The student has relied on addition to solve problems even when it is not appropriate. In this solution, the student has tried to get an answer by adding the three numbers in the question (i.e., \(23 + 2 + 6 = 31\) and \(9 + 23 + 2 = 25\)), but these operations are not appropriate to the problem.

**SAMPLE ANSWER**

A Grade 3 class wins a pizza party for reading the most books in September. There are 23 students in the class and each student will get 2 slices of pizza. If each pizza has 6 slices, how many pizzas should the class buy?

![Image of a sample answer with the text: Show your work.]

The class should buy 21 pizzas.

**OBSERVATION**

The response doesn’t provide evidence of the mathematical thinking that went into determining that 16 more quarters are needed.

**SAMPLE ANSWER**

Ethan saves 11 quarters.

He wants to buy a book that costs $5.25.

How many more quarters does Ethan need to save to buy the book?

![Image of a sample answer with the text: Justify your answer. Ethan will need 16 more quarters to buy the book.

Ethan needs to save 16 more quarters.]


**OBSERVATION**

The student has begun to solve the multi-step problem (“It takes 3 straws to make a triangle”) but hasn’t extended his or her thinking to complete the graph for triangles 4 to 6, or to respond to what is asked: “How many straws are needed to make 8 triangles?”

**SAMPLE ANSWER**

Sally is making triangles using straws.

She creates a bar graph to show how many straws she needs to make triangles.

![Bar Graph](image)

Complete the graph to show the number of straws for 4, 5 and 6 triangles.

**If you pile all of them up, you will get 15.**

How many straws will Sally need to make 8 triangles?

Justify your answer.

How many straws will Sally need to make 8 triangles?
**OBSERVATION**

The student has read the problem but has missed some mathematical cues and solved only part of it. The student has determined the amount, perhaps with repeated addition (i.e., $5 + 5 + 5 + 5 + 5 + 5 + 5$), but stopped at $40$. The response does not indicate the student has considered the fact that Marc needs to earn more than $42 in order to buy a video game priced at $42.

---

**SAMPLE ANSWER**

Marc receives $5 a week for walking a dog.

He wants to buy a video game that costs $42.

How many weeks will it take him to save enough money to buy the video game?

- 5
- 7
- 8
- 9

---

**OBSERVATION**

The student has shown he or she understands simple numeric relationships, and has used simple operations to select a correct response.

---

**SAMPLE ANSWER**

What number correctly completes the number sentence below?

$$1 \times 6 = 6$$

- 36
- 6
- 1
- 0

---

**SAMPLE ANSWER**

Which number sentence describes the drawing below?

- $1 \times 24 = 24$
- $2 \times 12 = 24$
- $4 \times 6 = 24$
- $8 \times 3 = 24$
## Primary Mathematics

### LEVEL 3

**TARGET**

Provide students at Level 3 with numerous opportunities to solve multi-step problems and clarify their thinking by talking about their mathematical reasoning.

### IF STUDENTS NEED HELP WITH...

**THEN TRY...**

- identifying relevant mathematical information and relationships in questions and problems
  - using think-alouds to show how to identify the “what” (i.e., the information) in different problems.
  - modelling for students how to read problems, write down significant mathematical information, describe relationships and explain why information is relevant.
  - having students use graphic organizers to record the mathematical information given (e.g., KFC chart: What do we know? What do we need to find out? What are the conditions in the problem?).
  - having partners take turns identifying the mathematical information required to solve problems and explain their reasoning to each other.

- solving multi-step problems
  - modelling perseverance in problem solving and how erroneous starts can inform problem-solving phases.
  - having students work in groups of three to answer the guiding questions: What do the words say? What do we understand? and How can we ask the question in another way?
  - creating graphic organizers to show problem-solving steps.
  - using the shared mathematics approach for students to solve problems collaboratively and share their solutions with the class.

- representing their mathematical thinking and problem-solving strategies
  - having the students listen to others’ solutions and ask questions to compare ideas (e.g., What is the same? What is different? What is familiar about it?).
  - asking the students to present their ideas in two ways.
  - using guided mathematics to demonstrate how to use an erroneous start to develop a solution to a problem.
  - having students pose and solve problems with more than one solution and share their reasoning.

### RESOURCE LINKS

**A Guide to Effective Instruction in Mathematics, K–6.**

- Volume 5. pp 20–34; 35–54 [p. 106]
- Asking prompting questions during instruction in Differentiating Mathematics Instruction webcast [p. 103]

**A Guide to Effective Instruction in Mathematics, K–6.**

- Volume 1. pp. 65–72 [p. 106]
- Classroom Visit #1 in Through the Eye of the Learner webcast [p. 109]

### You may see some or all of these characteristics in a student’s performance at this level:

#### Computation
- uses most computation skills (e.g., rounding, skip counting, addition, subtraction, multiplication, division) with reasonable accuracy and confidence
- uses mathematical language and procedures accurately
- reads and uses familiar forms of mathematical information (e.g., graphs, calendars, clocks, money) with only minor errors

#### Problem Solving
- solves most single-step and some multi-step problems
- conceptualizes the whole problem but may miss or misunderstand parts of the question
- perseveres enough to generate a solution
- checks answers using pictorial strategies and other possible solutions
- tries to fill in gaps to solve problems
- manipulates numbers in the context of the problem and shows relationships appropriately

#### Communication
- uses mathematical vocabulary, conventions and forms of representation to describe solutions in sufficient detail

**LEVEL 2**

**TARGET**

Provide students at Level 2 with numerous opportunities to solve single-step and multi-step problems and clarify their thinking by talking about their mathematical reasoning.
The sample responses on the following pages are selected from one student's body of work to illustrate some common characteristics of work at Level 3 and possible areas for growth that can be observed among several responses. Although EQAO does not score the written evidence of the student's thinking about multiple-choice questions, it can provide insights into his or her mathematical thinking and problem-solving processes.

**OBSERVATIONS**

These responses indicate the student has the computational skills to answer questions and solve problems with reasonable accuracy.

In the first response the student has identified the expression equivalent to \(30 - 4\) by choosing the equation \(30 - 4 = 20 + 6\).

The second response shows the student has conceptualized the problem, but he or she has presented an answer without support. The student has solved the saving-for-a-book problem by calculating the number of quarters needed to make $5.25, but has missed an important mathematical cue to answer the question successfully. The student has not presented his or her mathematical thinking.

**SAMPLE ANSWER**

In which box can 6 be placed to make the equation true?

- \(30 - 4 = 18 + \square\)
- \(30 - 4 = 19 + \square\)
- \(30 - 4 = 20 + \square\)
- \(30 - 4 = 21 + \square\)

**SAMPLE ANSWER**

Ethan saves 11 quarters.
He wants to buy a book that costs $5.25.

How many more quarters does Ethan need to save to buy the book?

Justify your answer.

Ethan needs to save \(\underline{21}\) more quarters.
SAMPLE ANSWER

In a class, 26 students choose their favourite type of animal. Their answers are shown in the pictograph below.

<table>
<thead>
<tr>
<th>Favourite Type of Animal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cat</td>
</tr>
<tr>
<td><img src="image" alt="Pictograph" /></td>
</tr>
</tbody>
</table>

Key

Each ![Pictograph](image) represents 2 students.

The pictograph is missing the information for dogs.

Complete the pictograph to show how many students choose dogs.

Justify your answer.
OBSERVATION

The answer shows a conceptual understanding of measurement and geometry problems.

The student has chosen and drawn the shortest path from the school to the park and to his or her house and explained this choice.

SAMPLE ANSWER

Dale plays at the park each day after school.

He walks only on the grid lines. Draw the shortest path he can take from the school to the park and then to his house.

Describe Dale’s path. Up 8 right 7
OBSERVATION

The answer shows a conceptual understanding of symmetry. The student states that he or she has used a “miorr” (i.e., a mira) but does not state any geometric properties of symmetry to indicate that he or she knows the new figure is symmetrical.

SAMPLE ANSWER

Complete the shape on the grid so that it is symmetrical. Use the dashed line as a line of symmetry.

---

Explain how you know the completed shape is symmetrical.

I used a miorr
OBSERVATION
The student has solved the problem but has vaguely represented his or her mathematical thinking. It appears that he or she has attached the dimensions 6 cm by 2 cm to Rectangle A and 5 cm by 4 cm to Rectangle B and calculated the two perimeters as 16 and 18 (no units). The solution goes on to say, correctly, that Rectangle B has the greater perimeter. The student has manipulated the numbers in the context of the problem and used the numbers and relationships of the rectangles appropriately.

SAMPLE ANSWER

Look at the rectangles below.

Which rectangle has the greater perimeter?

Rectangle \( B \) has the greater perimeter.
SAMPLE ANSWER

Sally is making triangles using straws.

She creates a bar graph to show how many straws she needs to make triangles.

![Bar graph showing number of straws needed for different numbers of triangles]

Complete the graph to show the number of straws for 4, 5 and 6 triangles.

How many straws will Sally need to make 8 triangles?

Justify your answer. Sally needs 42 straws.

\[36 + 3 = 39 + 3 = 42.\]
OBSERVATION

The answers show an understanding of the measurement and geometry concepts in these problems.

The student understands the relationships between longest and shortest and metres and centimeters and has correctly ordered the measurements.

The student has solved these single-step problems by correctly counting the number of square units in the shape (taking into consideration the half-squares in the triangles) and identifying the congruent shapes in the picture. These responses suggest that the student has understood the geometric relationships.

SAMPLE ANSWER

What is the area of this shape?

- 18 square units
- 20 square units
- 22 square units *
- 26 square units

SAMPLE ANSWER

Which of the following lists the measurements in order from longest to shortest?

- 90 cm; 1 m 34 cm; 223 cm
- 223 cm; 1 m 34 cm; 90 cm *
- 223 cm; 90 cm; 1 m 34 cm
- 1 m 34 cm; 90 cm; 223 cm

Karen draws the picture below using 2-D shapes.

Which shapes are congruent in her picture?

- triangles *
- rectangles
- rhombuses
- parallelograms
Primary Mathematics

LEVEL 4

Understands problems and responds to them by selecting effective mathematical strategies to provide efficient solutions, which are communicated clearly and effectively.

TARGET

Encourage students at Level 4 to try out different ways to solve problems or complete a task efficiently, and provide opportunities for them to explain their strategy decisions.

IF STUDENTS NEED HELP WITH...

THEN TRY...

analyzing problems

- using a guided approach (e.g., mind maps) to demonstrate how to identify the mathematical demands of the problem.
- asking the students to talk about the situation in the problem: what they know and what they need to determine.
- having the students examine problems and highlight “do words” (operations, actions implied) in one colour and “what words” (math information) in a different colour.

expanding their repertoire of strategies to solve multi-step problems

- having partners challenge each other to identify and record the steps they need to take to get to a solution.
- using a guided approach to listing and grouping mathematical ideas in the problem to develop appropriate problem-solving strategies.
- using journals for student to record their mathematical thinking, strategies, challenges and unexpected solutions.
- responding to the students’ journal entries to clarify and reinforce mathematical concepts and thinking.

justifying their mathematical thinking

- using a guided approach to demonstrate using conjecture to anticipate reasonable answers and solutions.
- using shared mathematics to have the students listen to the solutions of others, compare their thinking, suggest how they might adjust their thinking based on what they have heard, and explain why their answer makes sense.
- using a guided approach for the students to solve problems in different ways and compare findings.
- having partners read each other’s work to see whether the arguments are convincing and clearly presented.

You may see some or all of these characteristics in a student’s performance at this level:

Computation

- uses numbers, operations and measurement units accurately and confidently
- provides precise, accurate and “rich” solutions, without extraneous information

Problem Solving

- analyzes questions and extracts relevant information to solve problems effectively and efficiently
- approaches problems looking for connections and relationships
- makes plans and uses a variety of ways to solve problems and represent his or her mathematical thinking
- selects the most effective strategies to solve problems
- knows when a task is finished

Communication

- uses mathematical vocabulary and procedures to communicate solutions clearly and precisely
- supports justifications with additional labelled information

RESOURCE LINKS

A Guide to Effective Instruction in Mathematics, K–6 [p. 106]
Volume 2, pp. 1–80 [p. 106]
Volume 5. pp. 20–34; 35–54 [p. 106]

pp. 129–134 [p. 106]

Open-Ended and Parallel Learning Tasks for Instruction in Differentiating Mathematics Instruction webcast [p. 109]

A Guide to Effective Instruction in Mathematics, K–6 [p. 106]

Communication in the Mathematics Classroom monograph [p. 107]
**Observations**

The responses show that the student has analyzed the questions and used relevant information (including numbers, operations and measurement units) accurately to determine a solution.

The first selected response shows the student is able to predict the probability of winning a game when there are an equal number of options.

The student has demonstrated an understanding of metric units by ordering the measurements from longest to shortest.

**Sample Answer**

Kareem is playing a game using the spinner below.

If the arrow lands on an R, Kareem wins.

How many times should Kareem expect to win if he spins the arrow 10 times?

- 3
- 5 *
- 6
- 10

**Sample Answer**

Which of the following lists the measurements in order from longest to shortest?

- 90 cm; 1 m 34 cm; 223 cm
- 223 cm; 1 m 34 cm; 90 cm *
- 223 cm; 90 cm; 1 m 34 cm
- 1 m 34 cm; 90 cm; 223 cm
**OBSERVATION**

The selected response indicates that the student understands the geometric and area relationships and can solve a multi-step problem. He or she has correctly determined how many triangles can be found in the pattern block shapes.

**SAMPLE ANSWER**

Using the green triangle, find the total area of these pattern blocks.

![Diagram of pattern blocks]

Legend:

- R = Red
- B = Blue
- Y = Yellow

<table>
<thead>
<tr>
<th>Triangle</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>G</td>
<td>1 unit</td>
</tr>
<tr>
<td>R</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td></td>
</tr>
<tr>
<td>Y</td>
<td></td>
</tr>
</tbody>
</table>

What is the total area of all 3 pattern blocks?

- 9 units
- 10 units
- 11 units *
- 12 units
SAMPLE ANSWER

Sally is making triangles using straws.

She creates a bar graph to show how many straws she needs to make triangles.

![Graph showing number of straws for different numbers of triangles]

Complete the graph to show the number of straws for 4, 5 and 6 triangles.

How many straws will Sally need to make 8 triangles?

Justify your answer. Sally will need 24 straws to make 8 triangles. I know this because I know my addition sentence:

\[3 + 3 + 3 + 3 + 3 = 24\]
SAMPLE ANSWER

A Grade 3 class wins a pizza party for reading the most books in September. There are 23 students in the class and each student will get 2 slices of pizza. If each pizza has 6 slices, how many pizzas should the class buy?

Show your work. the class should buy 7 pizzas and 4 slices or 46 slices of pizza.

The class should buy 7 and 4/5 pizzas.

OBSERVATION

The student has understood the real-life context and selected nine weeks rather than eight weeks. The list of weeks and increments of five beside the question reveals the student's mathematical thinking.

SAMPLE ANSWER

Marc receives $5 a week for walking a dog.

He wants to buy a video game that costs $42.

How many weeks will it take him to save enough money to buy the video game?

- 5
- 7
- 8
- 9

5 = 1 week
10 = 2 weeks
20 = 4 weeks
25 = 5 weeks
30 = 6 weeks
35 = 7 weeks
40 = 8 weeks
45 = 9 weeks
OBSERVATION
The response uses mathematical vocabulary and clearly labelled procedures to communicate a solution precisely. The student has completed the shape to make it symmetrical and shown reasoning that describes a characteristic of a symmetrical shape.

SAMPLE ANSWER
Complete the shape on the grid so that it is symmetrical. Use the dashed line as a line of symmetry.

Explain how you know the completed shape is symmetrical. *I know this shape is symmetrical because if you flip it it is the exactly the same as the other side of*
**OBSERVATIONS**

The solution shows that the student has made a plan and solved the problem using a variety of ways to represent mathematical thinking.

The solution shows the perimeter calculations with respect to the diagrams and makes the appropriate comparison, suggesting that the perimeter of Rectangle B, 18 cm, is larger than that of Rectangle A, 16 cm.

**SAMPLE ANSWER**

Look at the rectangles below.

Which rectangle has the greater perimeter?

Justify your answer. rectangle b has a greater perimeter than rectangle a. I know this because figure b has two more cm than figure a. figure a = 16 cm figure b = 18 cm

Rectangle **b** has the greater perimeter.
SAMPLE ANSWER

In a class, 26 students choose their favourite type of animal. Their answers are shown in the pictograph below.

<table>
<thead>
<tr>
<th>Favourite Type of Animal</th>
<th>[]</th>
<th>[]</th>
<th>[]</th>
<th>[]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cat</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bird</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dog</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Key

Each \[\] represents 2 students.

The pictograph is missing the information for dogs.

Complete the pictograph to show how many students choose dogs.

Justify your answer.

I counted the number of dogs and added them up to the total count of 26. I added six more squares to complete the pictograph.
Resources


Ministry of Education of Ontario. Online teaching resources at [http://www.eworkshop.on.ca](http://www.eworkshop.on.ca)


Assessment and Evaluation


Equity and Inclusive Education


Literacy

Primary Division

Ministry of Education of Ontario. Guides to effective instruction available at the online Ontario Ministry of Education and TFO eWorkshop teaching resource portal at [http://www.eworkshop.on.ca/edu/core.cfm](http://www.eworkshop.on.ca/edu/core.cfm)


Resources (continued)

Junior Division


Primary Division


Primary and Junior Divisions


Resources (continued)

Junior Division


Capacity Building Series Monographs

Literacy


Numeracy


Resources (continued)

What Works: Research into Practice Series Monographs and Articles

Other titles can be found at http://www.edu.gov.on.ca/eng/literacynumeracy/inspire/archive.html


Literacy


Numeracy


Webcasts and Podcasts

Assessment, Teaching and Learning


Literacy


Resources (continued)

Literacy and Numeracy Secretariat. (2008, May 2). High-yield strategies to improve student learning (Webcasts for Educators) [Video webcast]. Available at http://www.curriculum.org/secretariat/may2.shtml


Numeracy


Literacy and Numeracy Secretariat. (2008, May 2). High-yield strategies to improve student learning (Webcasts for Educators) [Video webcast]. Available at http://www.curriculum.org/secretariat/may2.shtml


Literacy and Numeracy Secretariat. (2005, November 2). Mathematical knowledge for teaching with Dr. Deborah Loewenberg Ball (Webcasts for Educators) [Video webcast]. Available at http://www.curriculum.org/secretariat/november2.shtml

Literacy and Numeracy Secretariat. (2010, March 4). Through the eye of the learner: From student work to teacher practice (Webcasts for Educators) [Video webcast]. Available at http://www.curriculum.org/secretariat/eyes/index.shtml. (Especially “Classroom Visit #1” and “Classroom Visit #2.”)

Literacy and Numeracy Secretariat. (2009, January 30). Understanding of geometric figures through drawing and paper folding (Webcasts for Educators) [Video webcast]. Available at http://www.curriculum.org/secretariat/january30geometric.shtml

Literacy and Numeracy Secretariat. (2010, June 1). The three-part lesson in mathematics: Co-planning, co-teaching and supporting student learning. [Video webcast]. Available at http://resources.curriculum.org/secretariat/coplanning/

Literacy and Numeracy Secretariat. (n.d.). Communication. [Learning module]. Available at http://www.eworkshop.on.ca

Additional Materials to Support Webcasts


