Readiness Tasks FAQ

Pearson Mathology *Readiness Tasks for Grades 4–9* support you in knowing where your students are, while providing next steps for all strands in the curriculum. They are founded on the big ideas in Math outlined in the *Pearson Mathology Learning Progression 4–9.*

Why readiness tasks?

Canadian students have taken, and continue to take, many different learning paths. Mathology's Readiness Tasks are designed to allow students to demonstrate their understanding of key math concepts quickly and simply.

You can use this information to help meet students where they are, then move them forward either by revisiting concepts from a previous grade or working on concepts from the current grade's curriculum.

What are Mathology Readiness Tasks?

Tasks provide you with a snapshot of your students' understanding of specific math concepts.

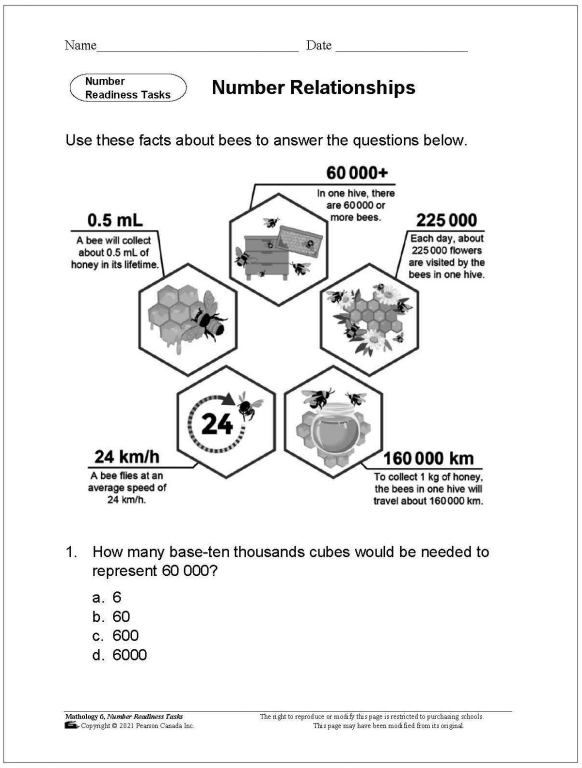
There are approximately 15–20 tasks per grade that reflect key concepts from the previous grade. Each task includes a maximum of 4 questions embedded in a relevant context that takes approximately 30–45 minutes for students to complete.

Tasks are modifiable so you can choose to assign only some questions or modify them to best suit your students. Analysis will vary based on the question type and the number of questions you choose to have students complete.

An answer key provides a sample solution for each question.

When would I use them?

Have students complete the tasks at the beginning of a unit of study to determine the best next steps for each of them.



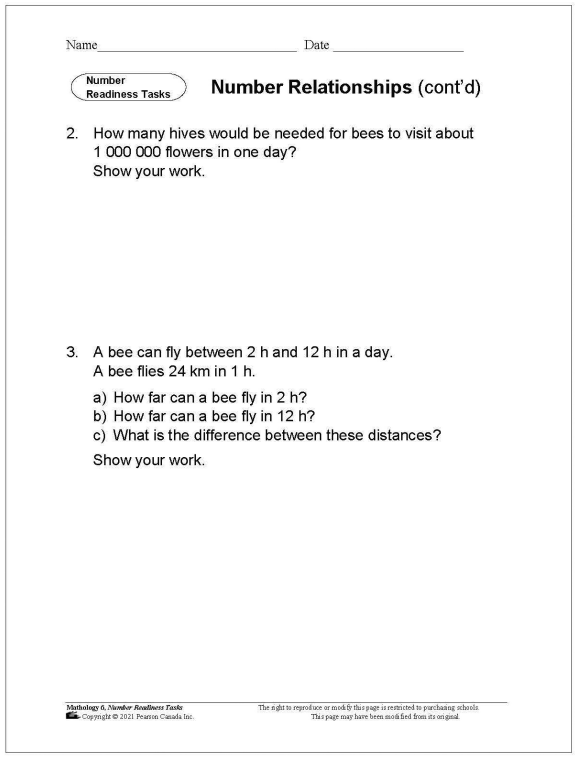
Name_____ Date _____

Number Readiness Tasks

Number Relationships

Use these facts about bees to answer the questions below.

1. How many base-ten thousands cubes would be needed to represent 60 000?
   a. 6
   b. 60
   c. 600
   d. 6000



Name_____ Date _____

Number Readiness Tasks

Number Relationships (cont'd)

2. How many hives would be needed for bees to visit about 1 000 000 flowers in one day?
   Show your work.

3. A bee can fly between 2 h and 12 h in a day.
   A bee flies 24 km in 1 h.
   a) How far can a bee fly in 2 h?
   b) How far can a bee fly in 12 h?
   c) What is the difference between these distances?
   Show your work.

Where do I find the readiness tasks?

Tasks are in mathology.ca.
There are three ways to search for the tasks:

- by keyword
- by curriculum
- by learning progression

Narrow your search by selecting type (e.g., “Readiness Tasks”) and/or grade (e.g., “Grade 6”).

Teaching virtually?

Download the Word document then share it with students via your district’s learning management system. When students have completed the questions, have them take a picture or upload their work to the system.

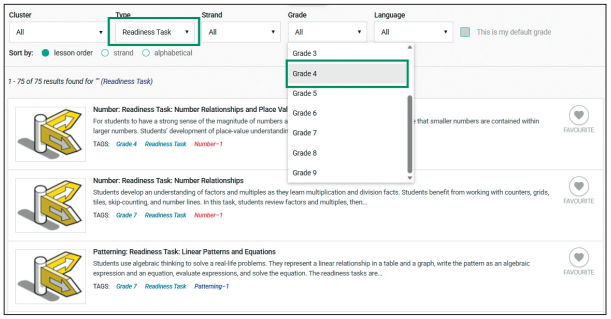
How do I use them?

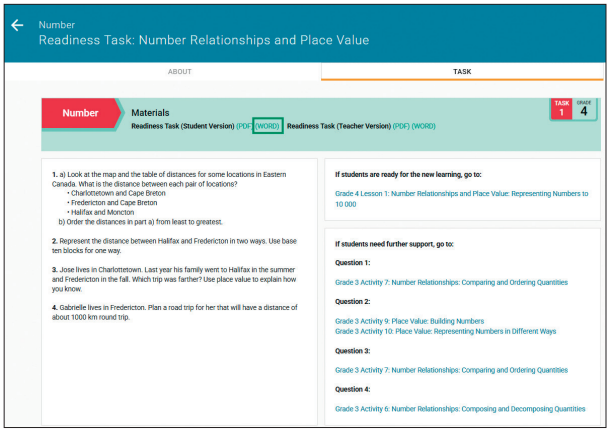
Have students engage in a math talk, task, or game to activate prior knowledge. Observe and listen to students’ interactions, vocabulary, and use of manipulatives, tools, or models. Once engaged, introduce the readiness task to the students. Have students

- answer one or all questions based on your time and need
- work individually, with a partner, or as part of a small group
- work on paper tasks, on tasks displayed digitally, or on a digital copy you send them

I have the results. Now what?

A planning tool aligns each task with key concepts, and links to prior and on-grade lessons in *Mathology*.





Readiness Question	**Grade 3 Concept**	**Grade 4 Concept**	***Mathology 3***
1. a) Look at the map and the table of distances for some locations in Eastern Canada. What is the distance between each pair of locations? • Charlottetown and Cape Breton • Fredericton and Cape Breton • Halifax and Moncton b) Order the distances in part a) from least to greatest.	Comparing and ordering numbers to 1000.	Comparing and ordering numbers to 10 000.	Activity 7: Number Relationships: Comparing and Ordering Quantities
2. Represent the distance between Halifax and Fredericton in two ways. Use base ten blocks for one way.	Representing numbers to 1000.	Representing numbers to 10 000.	Activity 9: Place Value: Building Numbers Activity 10: Place Value: Representing Numbers in Different Ways
3. Jose lives in Charlottetown. Last year his family went to Halifax in the summer and Fredericton in the fall. Which trip was farther? Use place value to explain how you know.	Comparing and ordering numbers to 1000.	Comparing and ordering numbers to 10 000. Estimating sums and differences.	Activity 7: Number Relationships: Comparing and Ordering Quantities
4. Gabrielle lives in Fredericton. Plan a road trip for her that will have a distance of about 1000 km round trip.	Composing and decomposing numbers to 1000.	Composing and decomposing numbers to 10 000.	Activity 6: Number Relationships: Composing and Decomposing Quantities

Want to learn more about Mathology.ca?
Please visit www.pearsoncanada.ca/mathology