









Using Readiness Tasks (Gr4-9)

Learn how to locate specific resources for use prior to starting a unit.

1 Click on a unit

Number: Fractions (Oct)	0/8	value understanding begins with the bundling of quantities...	
Number: Decimals (Oct)	0/4	TAGS: <i>Grade 4</i> <i>Readiness Task</i> <i>Number-1</i>	
Measurement: Mass and Capacity (Nov)	0/5	 Number Relationships and Place Value: Representing Numbers to 10 000  FAVOURITE	
Measurement: Time (Nov)	0/8	In pairs, students model and interpret 4-digit numbers, using relationships between place-value places. To consolidate, students discuss the meaning of each digit in a 4-digit number.	
Number: Fluency with Multiplication and Division Facts (Dec)	0/7	TAGS: <i>Grade 4</i> <i>Activity</i> <i>Number-1</i>	
Number: Fluency with Addition and Subtraction (Nov)	0/7	 Number Relationships and Place Value: Composing and Decomposing Larger Numbers  FAVOURITE	
Data: Data Management (Jan)	0/8	In pairs, students use Base Ten Blocks to model a 4-digit number in different ways and demonstrate their equivalence. To consolidate, students discuss how numbers can be composed and rearranged without affecting their value.	
Patterning & Algebra: Variables and Equations (Jan)	0/8	TAGS: <i>Grade 4</i> <i>Activity</i> <i>Number-2</i>	
 Navigate Mathology  FAVOURITE	0/7	 Number Relationships and Place Value: Estimating and Rounding Numbers  FAVOURITE	
Geometry: 2-D Shapes and Angles (Feb)	0/4	In pairs, students use a referent to estimate the numbers of pebbles in a photograph. To consolidate, students discuss the value of estimating to understand numbers, and they learn about common conventions for rounding numbers.	
Geometry: Grids and			

2 Click "Readiness Task"

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Section 1: Plan Contents

Number: Number Relationships and Place Value (Sept)	0/7
Interactive Math Tools	0/1
Patterning & Algebra: Patterns and Relations (Sept)	0/7
Number: Fractions (Oct)	0/8
Number: Decimals (Oct)	0/4
Measurement: Mass and Capacity (Nov)	0/5
Measurement: Time (Nov)	0/8
Number: Fluency with Multiplication and Division Facts (Dec)	0/7

Section 2: Lessons & Resources

Number: Fluency with Addition and Subtraction (Nov)

Number: Readiness Task: Fluency with Addition and Subtraction FAVOURITE

A knowledge of basic facts is foundational to learning and conducting more complex computations. Many students enter the middle years of school lacking this knowledge. Much of this learning/teaching has focused on rote memorization. This approach does not...

TAGS: Grade 4 Readiness Task Number-2

Fluency with Addition and Subtraction: Estimating Sums and Differences FAVOURITE

In pairs, students use different strategies to estimate sums and differences. To consolidate, students discuss whether their estimates are reasonable, and suggest situations where an estimate is sufficient.

TAGS: Grade 4 Activity Number-7

Fluency with Addition and Subtraction: Modelling Addition and Subtraction FAVOURITE

3 Scroll for About section

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← Number Readiness Task: Fluency with Addition and Subtraction

ABOUT TASK

About this Task

A knowledge of basic facts is foundational to learning and conducting more complex computations. Many students enter the middle years of school lacking this knowledge. Much of this learning/teaching has focused on rote memorization. This approach does not provide students with flexibility in thinking when working with numbers. When students have memorized their basic facts, they do not think of numbers as composed of parts and often resort to counting to determine the facts that they do not know. Students who have a strong sense of number relationships make connections between symbols and quantity, and work flexibly with numbers (e.g., using the "make 10" strategy to add $8 + 6$; that is, take 2 from 6, then add to 2 to 8 to make $10 + 4 = 14$). Composing and decomposing numbers supports meaningful learning of the basic facts. When students know all the combinations of any two numbers from 1 to 10, they know their basic facts. Students with a strong sense of number relationships will transfer this knowledge to the computation of larger numbers.

ACTIVITY TIME	30-45 min
GROUP SIZE	Class

In this task, students use the context of the costs of a household pet to estimate the sum of 2-digit numbers, subtract 2-digit numbers, then add 2- and 3-digit numbers.

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4 Click "Task"

The screenshot shows the Mathology website interface. At the top, there is a navigation bar with the Mathology logo, a search bar, and links for Home, Favourites, Plan, Analytics, Matific Dashboard, and Help. The user is logged in as 'on@mathology.ca'. Below the navigation bar, the page title is 'Number' and the main heading is 'Readiness Task: Fluency with Addition and Subtraction'. A blue navigation bar contains two tabs: 'ABOUT' and 'TASK'. The 'TASK' tab is highlighted with an orange circle. Below the navigation bar, the 'About this Task' section is visible, containing a paragraph of text and a table with the following information:

ACTIVITY TIME	30-45 min
GROUP SIZE	Class

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5 Click "(PDF)" for teacher version or student version to print

The screenshot shows the Mathology website interface. At the top, there is a navigation bar with the Mathology logo, a search bar, and links for Home, Favourites, Plan, Analytics, Matific Dashboard, and Help. The user is logged in as 'on@mathology.ca'. Below the navigation bar, the page title is 'Number' and the main heading is 'Readiness Task: Fluency with Addition and Subtraction'. A blue navigation bar contains two tabs: 'ABOUT' and 'TASK'. The 'TASK' tab is highlighted with an orange circle. Below the navigation bar, the 'Materials' section is visible, containing two links: 'Readiness Task (Student Version) (PDF) (WORD)' and 'Readiness Task (Teacher Version) (PDF) (WORD)'. The 'Teacher Version' link is highlighted with an orange circle. Below the 'Materials' section, there are three numbered tasks and two sections for additional resources:

- Leslie has 1 dog and 1 cat. Estimate which costs more:
 - a scratching post and carrying basket for her cat
 - a bed, leash, and collar for her dog
 Explain your thinking.
- Jamal has 1 dog and 1 cat. Find how much more it costs to feed his dog than his cat. Show your work.
- Your family wants to get a cat or a dog. Select your pet. Choose 3 things to buy. Find their cost. Show your work.

If students are ready for the new learning, go to:
[Grade 4 Lesson 7: Fluency with Addition and Subtraction: Estimating Sums and Differences](#)

If students need further support, go to:
Question 1:
[Grade 3 Activity 20: Addition and Subtraction: Estimating Sums and Differences](#)
[Grade 3 Activity 22: Addition and Subtraction: Using Mental Math to Add and Subtract](#)

Question 2:

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After students complete the readiness task and you have reviewed the responses, choose a below grade lesson to start the unit if needed

Estimate which costs more:

- a scratching post and carrying basket for her cat
- a bed, leash, and collar for her dog

Explain your thinking.

2. Jamal has 1 dog and 1 cat.
Find how much more it costs to feed his dog than his cat.
Show your work.

3. Your family wants to get a cat or a dog.
Select your pet.
Choose 3 things to buy.
Find their cost.
Show your work.

[Grade 4 Lesson 7: Fluency with Addition and Subtraction: Estimating Sums and Differences](#)

If students need further support, go to:

Question 1:

[Grade 3 Activity 20: Addition and Subtraction: Estimating Sums and Differences](#)
[Grade 3 Activity 22: Addition and Subtraction: Using Mental Math to Add and Subtract](#)

Question 2:

[Grade 3 Activity 24: Addition and Subtraction: Creating and Solving Problems](#)
[Grade 3 Activity 25: Addition and Subtraction: Creating and Solving Problems with Larger Numbers](#)

Question 3:

[Grade 3 Activity 24: Addition and Subtraction: Creating and Solving Problems](#)
[Grade 3 Activity 25: Addition and Subtraction: Creating and Solving Problems with Larger Numbers](#)

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Click on grade lesson if ready to start the unit

Readiness Task: Fluency with Addition and Subtraction

ABOUT

TASK

Number

Materials

TASK 2 GRADE 4

[Readiness Task \(Student Version\) \(PDF\) \(WORD\)](#)

[Readiness Task \(Teacher Version\) \(PDF\) \(WORD\)](#)

1. Leslie has 1 dog and 1 cat.
Estimate which costs more:

- a scratching post and carrying basket for her cat
- a bed, leash, and collar for her dog

Explain your thinking.

2. Jamal has 1 dog and 1 cat.
Find how much more it costs to feed his dog than his cat.
Show your work.

3. Your family wants to get a cat or a dog.
Select your pet.
Choose 3 things to buy.
Find their cost.
Show your work.

If students are ready for the new learning, go to:

[Grade 4 Lesson 7: Fluency with Addition and Subtraction: Estimating Sums and Differences](#)

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[Grade 3 Activity 24: Addition and Subtraction: Creating and Solving Problems](#)

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