



# ESTIMATE AND ROUND FINANCIAL CALCULATIONS

AC9M4N07

## ROUNDING AND ESTIMATION PROBLEM SOLVING

### THINKER'S *keys*

AC9M4N07

#### THE ALPHABET KEY

List as many words as you can from A to Z that relate to rounding and estimation

THE DISNEY TEACHER

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#### THE ANSWER KEY

If the rounded answer is 700, what might the question be?

Think of 10 possibilities.

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#### THE BRAINSTORMING KEY

Brainstorm all the real life situations where you must know how to use rounding and estimation

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#### THE VARIATIONS KEY

$A + B + C \approx \$100$

What might be the value of A, B and C, if all are decimals?

Think of at least 10 variations.

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#### THE CONSTRUCTION KEY

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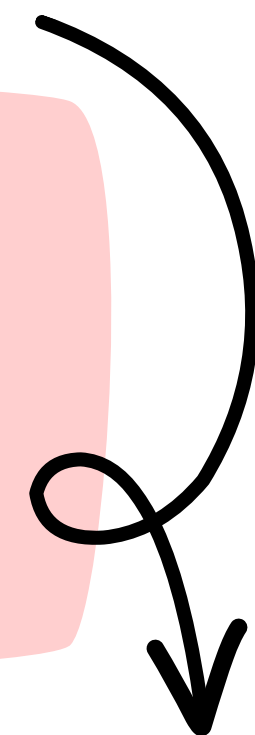
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#### THE INTERPRETATION KEY

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Keep scrolling to see what's included!



# LOOKING FOR AN ENGAGING WAY TO TEACH ESTIMATING AND ROUNDING FINANCIAL CALCULATIONS?

♥ All six activities are aligned to the outcome: **(AC9M4N07)**

♥ Tasks range in difficulty from easy to challenging!

♥ Activities are interactive, hands-on, and FUN!



AC9M4N07 ROUNDDING MONEY (DECIMALS) SUPER sort

Cut the problem cards, then sort them according to the rounded value of the numbers in the first column.

	NEAREST DOLLAR	NEAREST 5C
\$1.33		
\$4.21		
\$2.68		
\$9.94		
\$1.52		
\$0.73		

AC9M4N07 ROUNDDING MONEY (DECIMALS) SUPER sort

PROBLEM CARDS

\$8.00	\$0.75	\$2.00
\$9.95	\$3.00	\$4.20
\$1.00	\$4.00	\$1.35
\$2.70	\$1.50	\$10.00

# LOOKING FOR AN ENGAGING WAY TO TEACH ESTIMATING AND ROUNDING FINANCIAL CALCULATIONS?



NO planning required for  
outcome **AC9M4N07**



No prep, just print and go!



Aligns perfectly to the **Year 4  
Mathematics Test FULL YEAR  
Mega Bundle**



AC9M4N07

**ROUNDING TO THE NEAREST 10** TRUE OR false

Cut out the problem cards and sort them according to whether the rounding of numbers is true or false. Before gluing them, arrange the cards in each column in alphabetical order.

TRUE	FALSE

872 rounded to the nearest 10 is 880 F

64 rounded to the nearest 10 is 60 A

74 rounded to the nearest 10 is 80 G

# INCLUDES ALL THESE AND MORE!

AC9M4N07

## ESTIMATING ANSWERS

### maths MAZE

In the maze, estimate each answer by first rounding each number to the nearest 1000. The answer will lead you to the next problem. To keep track of your answer from start to finish, recording the letter sequence you followed in the table below.

A				
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AC9M4N07

## ROUNDING MONEY (DECIMALS)

### SUPER sort

Cut the problem cards, then sort them according to the rounded value of the numbers in the first column.

	NEAREST DOLLAR	NEAREST 5C
\$1.33		
\$4.21		
\$2.68		
\$9.94		
\$1.52		
\$0.73		
\$8.22		

AC9M4N07

## ROUNDING AND ESTIMATING

### MATHS match

Estimate the answer by rounding the amount to the nearest dollar, then find the card that shows the approximate answer.

$\$6.33 + \$7.87 \approx$  G

Estimate the answer by rounding the amount to the nearest dollar, then find the card that shows the approximate answer.

$\$20.11 \div 5 \approx$  I

Estimate the answer by rounding the amount to the nearest dollar, then find the card that shows the approximate answer.

$\$0.67 \times 9 \approx$  K

AC9M4N07

## ROUNDING AND ESTIMATION PROBLEM SOLVING

### THINKER'S keys

**THE ALPHABET KEY**  
List as many words as you can from A to Z that relate to rounding and estimation.

**THE ANSWER KEY**  
If the rounded answer is 700, what might the question be?  
Think of 10 possibilities.

**THE BRAINSTORMING KEY**  
Brainstorm all the real life situations where you must know how to use rounding and estimation.

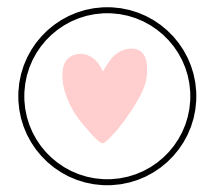
**THE VARIATIONS KEY**  
 $A + B + C \approx \$100$   
What might be the value of A, B and C, if all are decimals?  
Think of at least 10 variations.

**THE CONSTRUCTION KEY**  
Make a 5-item dream shopping list. Use a table to show the actual price, the price rounded to the nearest \$100, and the estimated total you need to save.

**THE INTERPRETATIONS KEY**  
A student thinks 999 rounded to the nearest 1000 is 900. Explain why this is incorrect.

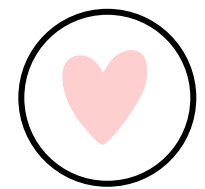
# CONTENTS

## What's included in this pack?



**Seven engaging activities** for the outcome **AC9M4N07**:

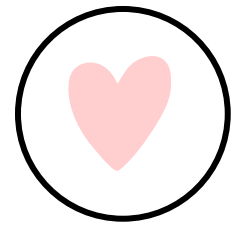
- + 2 True or False
- + Maths Match
- + Super Sort
- + Maths Maze
- + Would You Rather?
- + Thinker's Keys



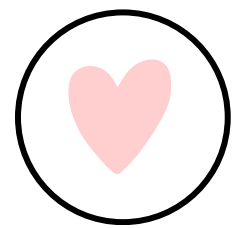
**Answer Key for teachers**



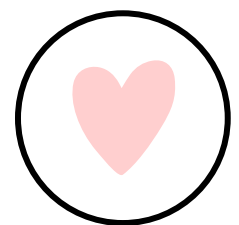
# HOW YOU CAN USE THIS RESOURCE



Simply print the activities and distribute them to students—**no prep required**



**Assign tasks according to students' abilities**, from easy to challenging, to build understanding progressively



**Reinforce learning and track student progress**



AC9M4N07

**ROUNDING AND ESTIMATING**

**MATHS match**  
PROBLEM CARDS

Estimate the answer by rounding the amount to the nearest dollar, then find the card that shows the approximate answer. $\$6.33 + \$7.87 \approx$ G	Estimate the answer by rounding the amount to the nearest dollar, then find the card that shows the approximate answer. $\$11.06 \times 2 \approx$ H	\$5
Estimate the answer by rounding the amount to the nearest dollar, then find the card that shows the approximate answer. $\$20.11 \div 5 \approx$ I	Estimate the answer by rounding the amount to the nearest dollar, then find the card that shows the approximate answer. $\$3.89 + 8.33 \approx$ J	

# LOOKING FOR MORE?



Unlock stress-free assessment with the **Year 4 Number & Algebra Test Pack!** Save hours of planning with pre and post-tests for every outcome, plus editable spreadsheets to track growth, all fully aligned to the new V9.0 curriculum!

**YEAR 4**

## NUMBER & ALGEBRA TEST PACK

THE SYDNEY TEACHER

**NUMBER** Name: \_\_\_\_\_ Date: \_\_\_\_\_  
Outcome AC9M4N03: find equivalent representations of fraction denominators and make connections between fractions and decimals

**PRE TEST** Term: 1 2 3 4 Week: 1 2 3 4 5 6

1. Use the models to find the equivalent fractions and record the missing values.

a)  $\frac{1}{2} = \frac{\square}{4}$     b)  $\frac{4}{10} = \frac{\square}{5}$     c)  $\frac{\square}{6} = \frac{2}{3}$

2. Use the fractions wall to find equivalent fractions for the following.

a)  $\frac{1}{2} = \frac{\square}{6}$     b)  $\frac{2}{3} = \frac{\square}{6}$

c)  $\frac{6}{8} = \frac{\square}{10}$     d)  $\frac{8}{10} = \frac{\square}{5}$

3. Colour the bars.

**ALGEBRA** Name: \_\_\_\_\_ Date: \_\_\_\_\_  
Outcome AC9M4A01: find unknown values in numerical equations involving addition and subtraction, using the properties of numbers and operations

**POST TEST** Term: 1 2 3 4 Week: 1 2 3 4 5 6 7 8 9 10 11

1. Find the missing numbers needed to complete the addition number sentences, showing all working out in the space provided.

a)  $10 + \square = 30$     b)  $72 + \square = 100$     c)  $\square + 143 = 276$

2. Find the missing numbers needed to complete the subtraction number sentences, showing all working out in the space provided.

a)  $10 - \square = 3$     b)  $109 - \square = 43$     c)  $\square - 76 = 563$

3. Find the missing numbers needed to balance the number sentences, showing all working out in the space provided.

a)  $412 + 391 = 678 + \square$     b)  $799 - 342 = 428 + \square$

**22 PRINTABLE TESTS**