



FINDING UNKNOWN VALUES IN ADDITION & SUBTRACTION PROBLEMS

AC9M4A01

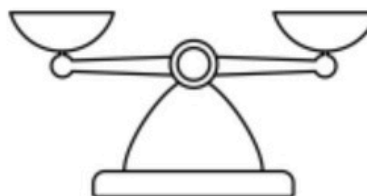
BALANCING EQUATIONS

MATHS match

PROBLEM CARDS

Find the card that shows the answer that will balance this equation:

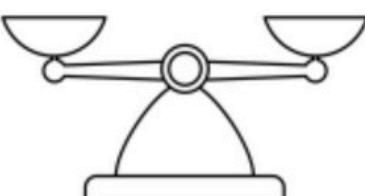
$198 + 45 = ?$



G

Find the card that shows the answer that will balance this equation:

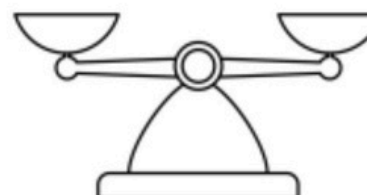
$83 - 49 = ?$



H

Find the card that shows the answer that will balance this equation:

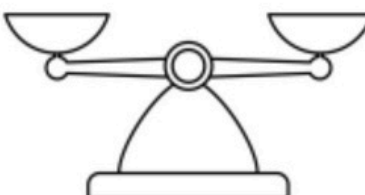
$127 + 94 = ?$



I

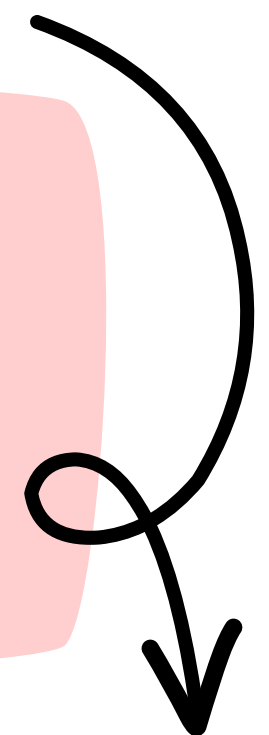
Find the card that shows the answer that will balance this equation:

$119 + 68 = ?$



J

Keep scrolling to see
what's included!



LOOKING FOR A FUN WAY TO TEACH HOW TO FIND UNKNOWN VALUES IN ADDITION & SUBTRACTION PROBLEMS?

♥ All six activities are aligned to the outcome: **(AC9M4A01)**

♥ Tasks range in difficulty from easy to challenging!

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



AC9M4A01

SUBTRACTION NUMBER SENTENCES TRUE OR false

Cut out the problem cards and sort them according to whether the number sentences are true or false. Before gluing them, arrange the cards in alphabetical order.

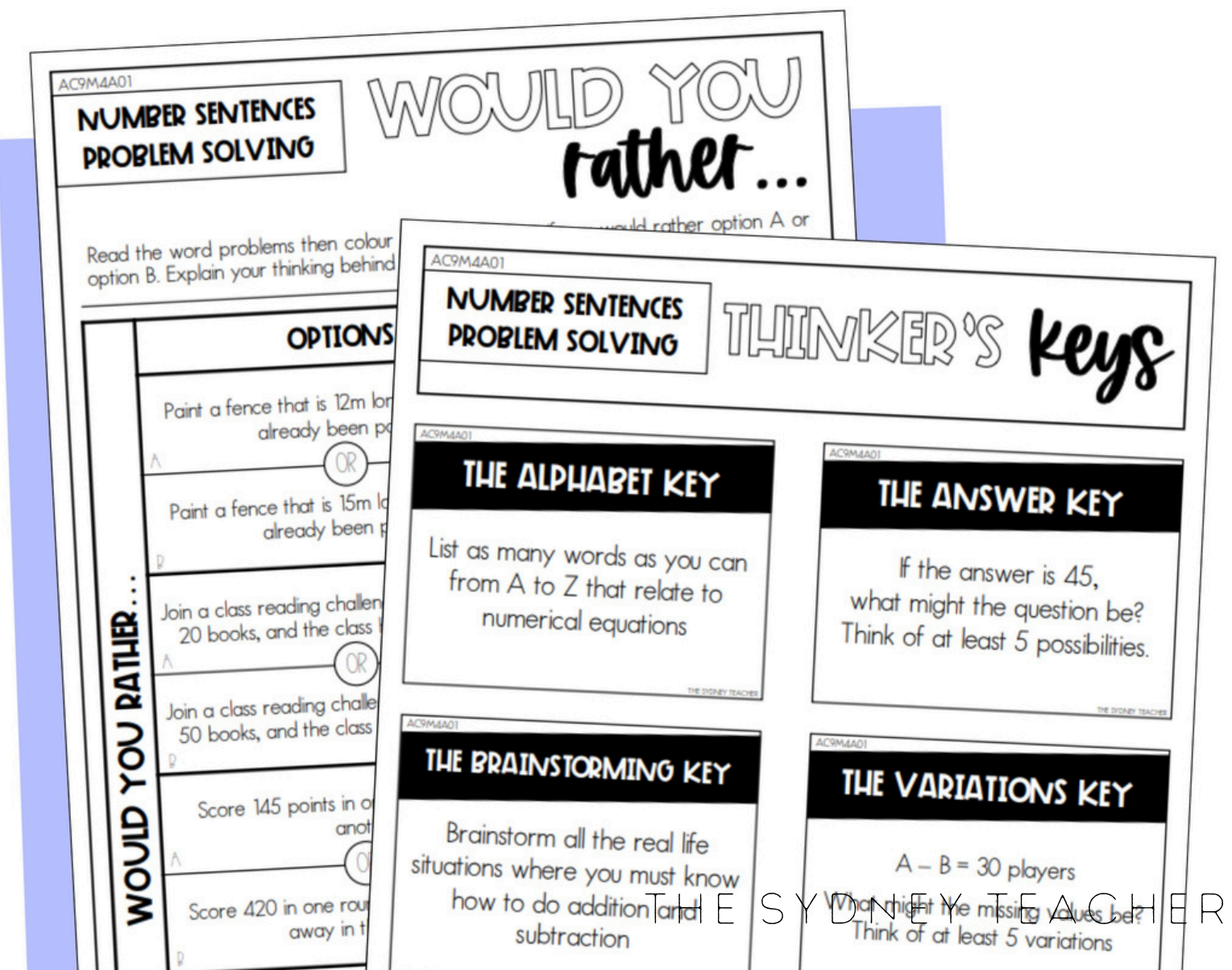
TRUE	FALSE
$___ - 19 = 17$ The missing value in this equation is 19. B	$29 - ___ = 8$ The missing value in this equation is 11. A

LOOKING FOR A FUN WAY TO TEACH HOW TO FIND UNKNOWN VALUES IN ADDITION & SUBTRACTION PROBLEMS?

NO planning required for outcome **AC9M4A01**

No prep, just print and go!

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



INCLUDES ALL THESE AND MORE!

AC9M4A01

ADDITION NUMBER SENTENCES

TRUE OR false

$25 + \underline{\quad} = 40$

The missing value in this equation is 15. A

$\underline{\quad} + 19 = 51$

The missing value in this equation is 23. C

$45 + \underline{\quad} = 88$

The missing value in this equation is 43. E

$\underline{\quad} + 45 = 90$

The missing value in this equation is 35. G

AC9M4A01

FINDING UNKNOWN VALUES

maths MAZE

Find the unknown values for each problem in the maze. Each answer will lead you to the next. To keep track of your answers, colour your way from start to finish, recording the letter sequence you followed in the table below.

START

A
 $45 + 38 = \square$

B
 $79 - \square = 42$

C
 $39 + \square = 53$

D
 $\square - 156 = 147$

E
 $64 + \square = 116$

F
 $270 + \square = 630$

G
 $935 - \square = 487$

H
 $\square - 614 = 499$

FINISH

J
 $397 + \square = 802$

K
 $339 + 87 = \square$

A							
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THE SYDNEY TEACHER

AC9M4A01

NUMBER SENTENCES PROBLEM SOLVING

THINKER'S KEYS

AC9M4A01

THE ALPHABET KEY

List as many words as you can from A to Z that relate to numerical equations

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THE BRAINSTORMING KEY

Brainstorm all the real life situations where you must know how to do addition and subtraction

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THE CONSTRUCTION KEY

Create your own Maths Maze on finding unknown values in addition and subtraction number sentences (see page 10 as an example)

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THE ANSWER KEY

If the answer is 15, what might the equation be? Think of at least 3 equations.

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THE VARIATION KEY

$A - B = C$
What might the values of A, B and C be? Think of at least 3 examples.

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THE INTERPRETATION KEY

A classmate has 39 in the tens place and 97 in the ones place. Explain what this means.

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BALANCING EQUATIONS

MATHS match

PROBLEM CARDS

Find the card that shows the answer that will balance this equation:

$98 + 25 = ?$

A

Find the card that shows the answer that will balance this equation:

$80 - 24 = ?$

B

Find the card that shows the answer that will balance this equation:

$200 - 48 = ?$

C

Find the card that shows the answer that will balance this equation:

$186 + 101 = ?$

D

Find the card that shows the answer that will balance this equation:

$70 + 25 = ?$

E

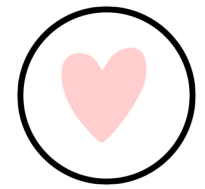
Find the card that shows the answer that will balance this equation:

$60 - 16 = ?$

F

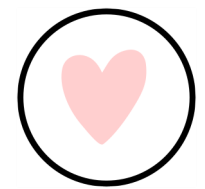
CONTENTS

What's included in this pack?

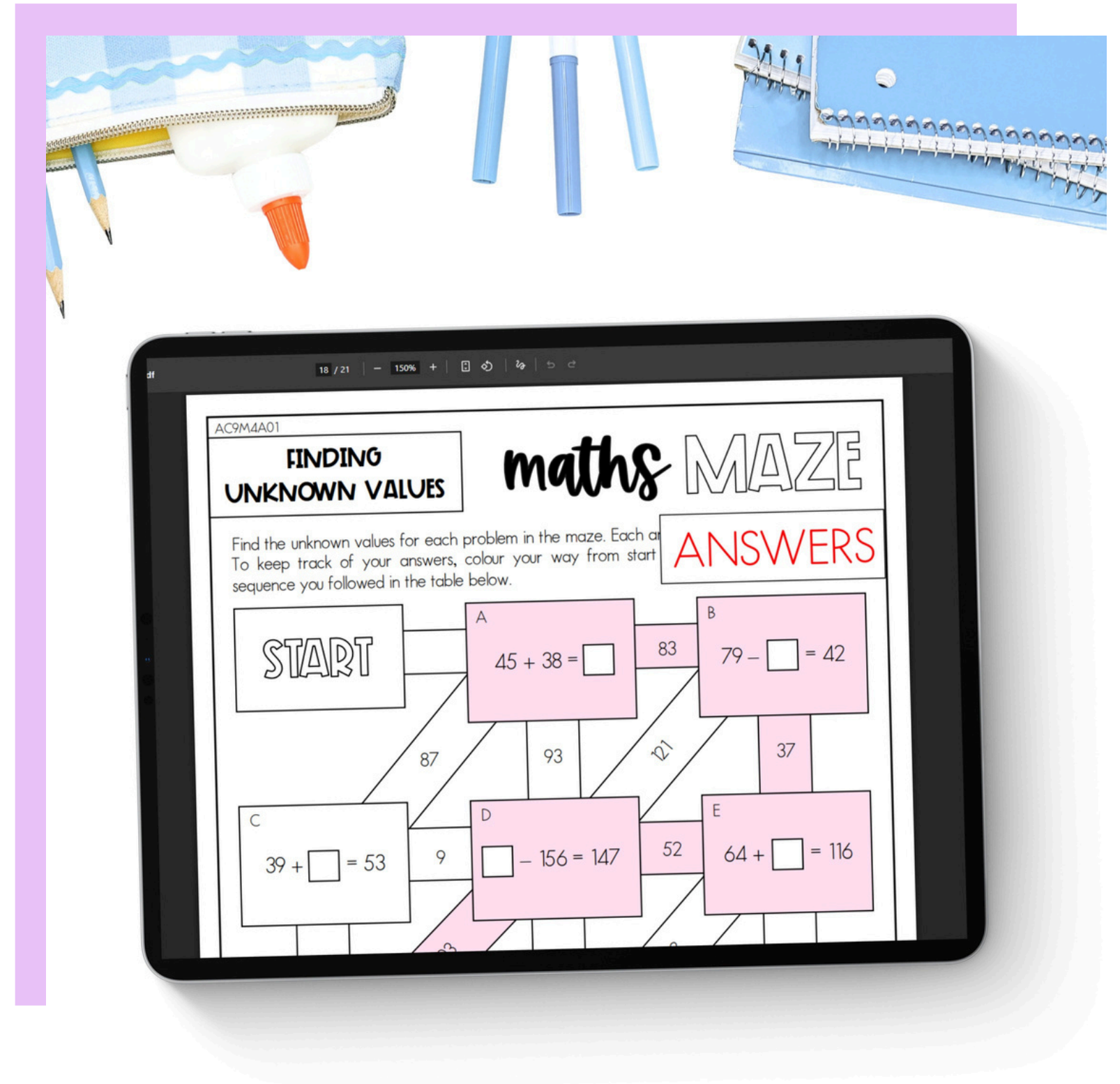


Six engaging activities for the outcome **AC9M4A01**:

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



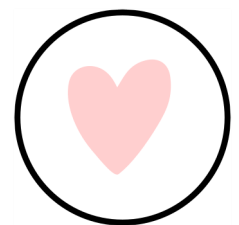
Answer Key for teachers



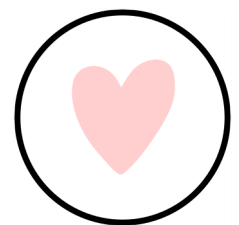
HOW YOU CAN USE THIS RESOURCE




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



AC9M4A01

FINDING UNKNOWN VALUES *maths* MAZE

Find the unknown values for each problem in the maze. Each answer will lead you to the next. To keep track of your answers, colour your way from start to finish, recording the letter sequence you followed in the table below.

START	A $45 + 38 = \square$	B $79 - \square = 42$
	87	93
C $39 + \square = 53$	D $\square - 156 = 147$	E $64 + \square = 116$
	9	52
	14	303
F $270 + \square = 630$	G $935 - \square = 487$	H $\square - 614 = 499$
	360	333
		8
		42
		552

LOOKING FOR MORE?



Take the stress out of assessment with the **Year 4 Number & Algebra Test Pack**, complete with ready-to-use pre and post-tests, simple tracking spreadsheets, and full V9.0 curriculum alignment!

YEAR 4

NUMBER & ALGEBRA TEST PACK

THE SYDNEY TEACHER

NUMBER Name: _____ Date: _____

Outcome AC9M4N03 find equivalent representations of fractions, 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 results.

a) $\frac{1}{2} = \frac{\square}{4}$ b) $\frac{4}{6} = \frac{\square}{3}$ c) $\frac{\square}{8} = \frac{3}{4}$

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

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