

YEAR 6

Australian Curriculum
V9.0 **Outcome AC9M6A02**

AC9M6A02
FINDING UNKNOWN VALUES **SUPER sort**
→ PROBLEM CARDS

$$9 \times 2 + \square = 24$$

A

$$36 \div 3 - \square = 5$$

B

$$3 \times \square + 9 = 30$$

C

$$(2 + \square) \times 2 = 10$$

D

$$50 \div \square + 10 = 35$$

E

$$10 + 4 \times \square = 30$$

F

$$8 \times (\square + 4) = 64$$

G

$$70 \div (8 + \square) = 7$$

H

FIND UNKNOWN
VALUES IN
EQUATIONS

Keep scrolling to see
what's included!

ARE YOU LOOKING FOR ENGAGING, CURRICULUM-ALIGNED ACTIVITIES FOR TEACHING **FINDING UNKNOWN VALUES IN EQUATIONS?**



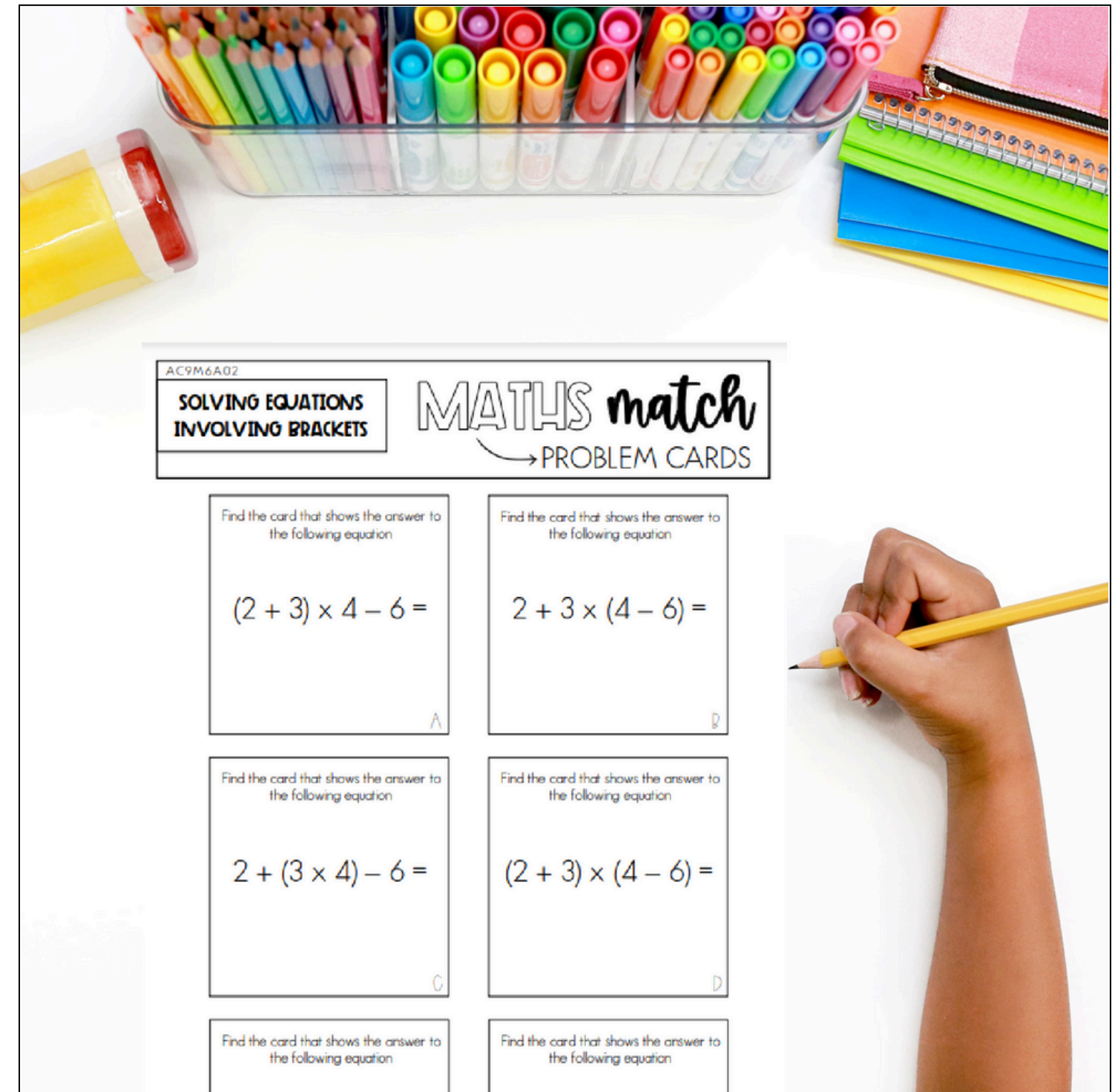
Includes **SIX** engaging activities
for outcome **AC9M6A02**



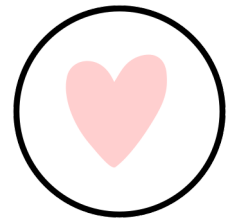
Activities **range in difficulty** from
simple to challenging concepts



No prep needed, simply
print and go!

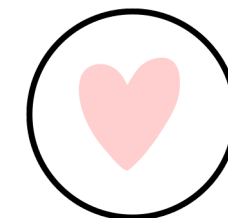


WHAT'S INCLUDED?



SIX Australian Curriculum (V9.0) aligned games and worksheets:

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



Answer key for teachers



INCLUDES THESE AND MORE!

AC9M6A02

BALANCING EQUATIONS

TRUE OR false

PROBLEM CARDS

$$12 + 3 = 18 - 5$$

$$230 - 56 = 87 \times 2$$

$$28 \times 5 = 97 + 43$$

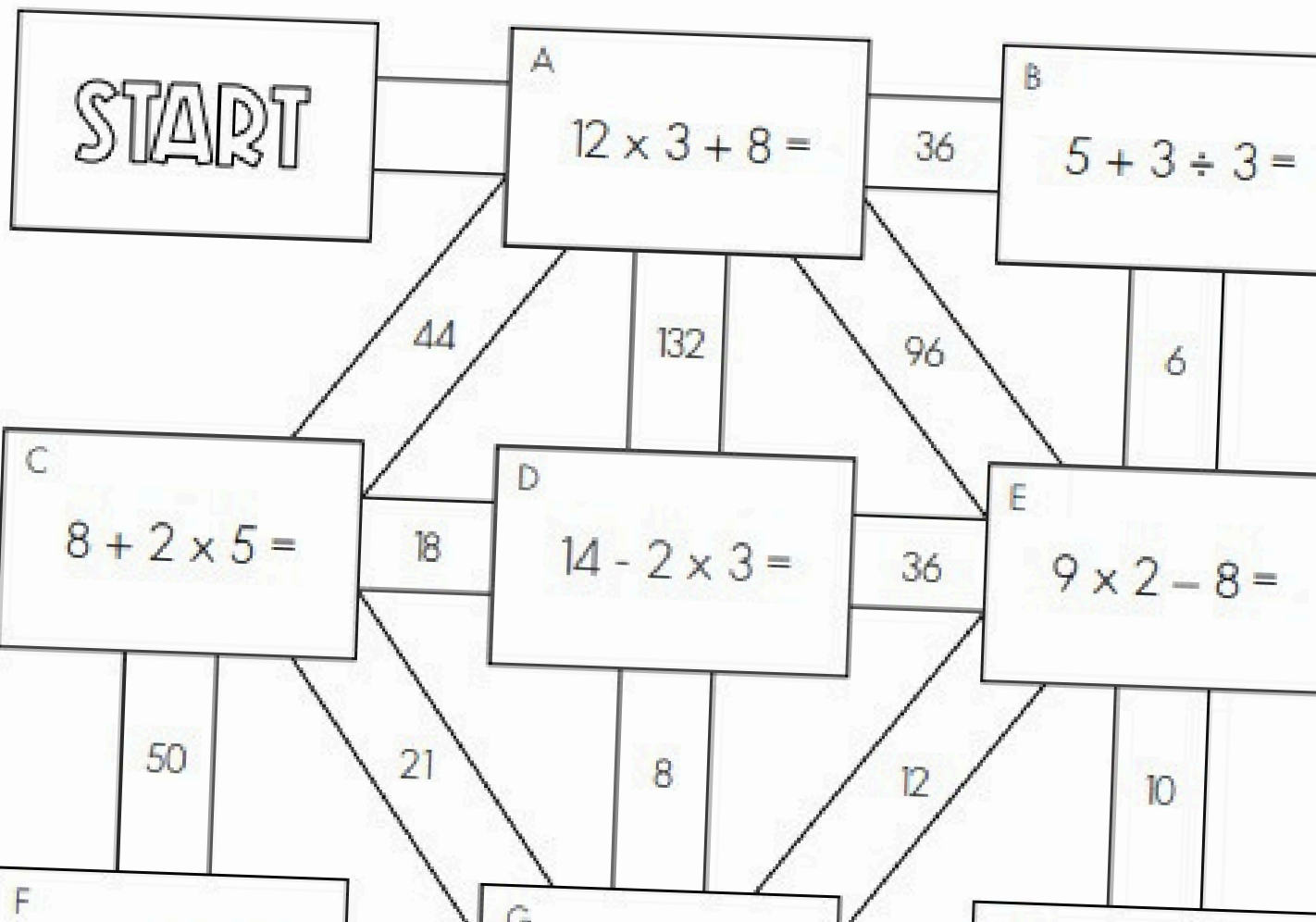
$$2.5 \times 6 = 3 \times 4$$

AC9M6A02

APPLYING ORDER OF OPERATIONS

maths MAZE

Solve each equation, applying the correct order of operations. In the maze, each answer will lead you to the next problem. To keep track of your answers, colour your way from start to finish, record the letter sequence in the table below.



AC9M6A02

ALGEBRA WORD PROBLEMS

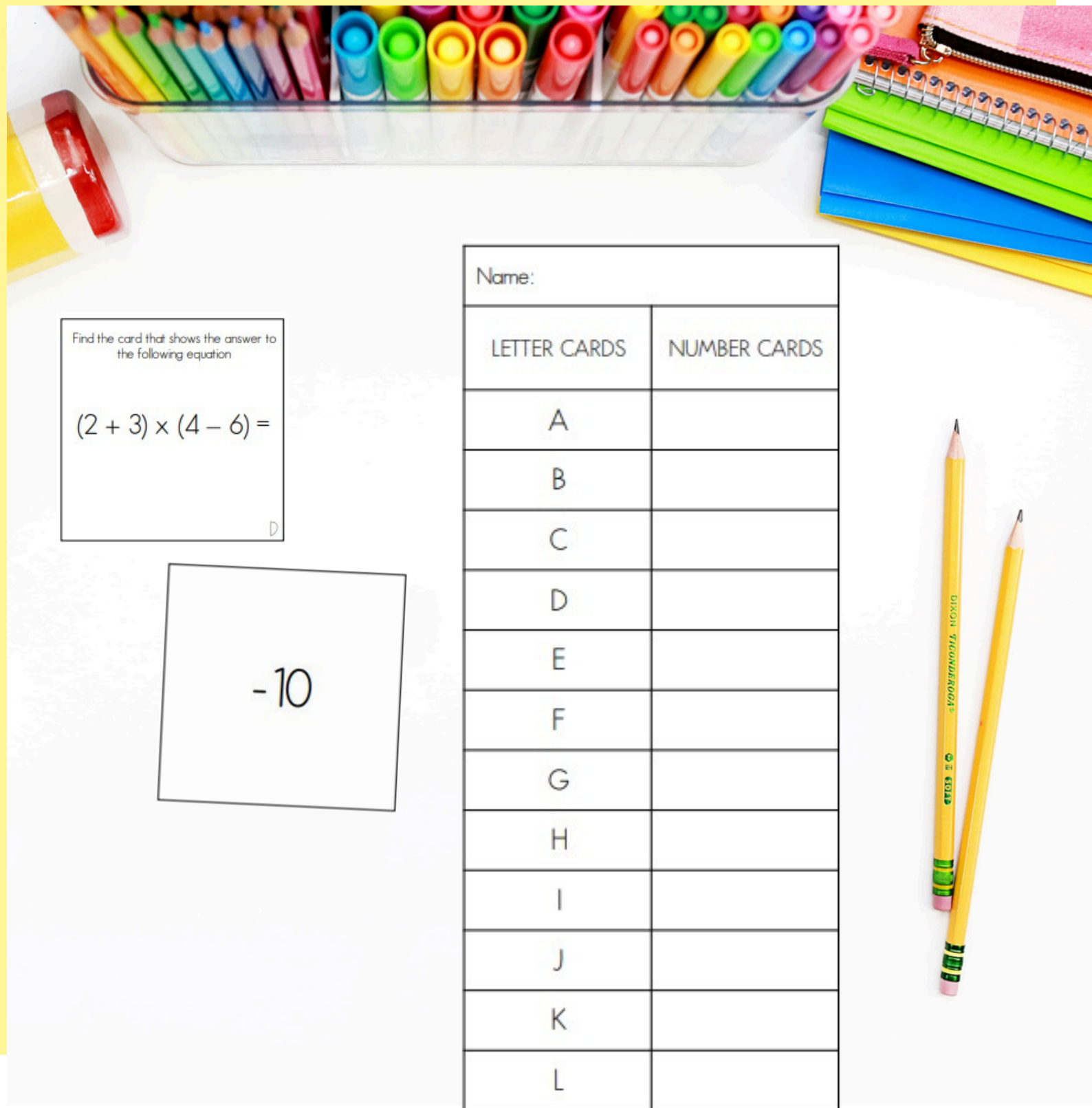
WOULD YOU rather...

Read the word problems then colour the box to show if you would rather option A or option B. Explain your thinking behind each decision.

OPTIONS	WHY?
Buy 8 books for \$15 and pay \$18 in shipping A <input type="radio"/> OR <input type="radio"/>	
Buy 8 books for \$17 and pay \$3 in shipping? B <input type="radio"/>	
Go on a 2 day 100km trip in a rental car that is charged at \$50 a day and \$2 per km in fuel. A <input type="radio"/> OR <input type="radio"/>	
Go on a 2 day 100km trip in a rental car that is charged at \$140 a day with no fuel costs. B <input type="radio"/>	
Buy 5 t-shirts for \$30 each and pay \$12 in a service fee A <input type="radio"/> OR <input type="radio"/>	
Buy the same 5 t-shirts for \$32 each and pay no fee B <input type="radio"/>	

WOULD YOU RATHER...

WHY THIS RESOURCE?



- 1 All 6 activities are aligned to the new Australian Curriculum (V9.0)
- 2 Activities are interactive, hands-on and FUN!
- 3 Purchasing this pack means there is NO planning required for outcome AC9M6A02
- 4 No prep, just print and go!

DID YOU KNOW?

I have activity packs for **ALL** Year 6 Number and Algebra Outcomes!

UNDERSTANDING NEGATIVE INTEGERS YEAR 6 ACTIVITY PACK

AC9M6N01

PRIME, COMPOSITE & SQUARE NUMBERS YEAR 6 ACTIVITY PACK

PRIME	COMPOSITE
5	27
13	

AC9M6N02

COMPARE, ORDER & REPRESENT FRACTIONS YEAR 6 ACTIVITY PACK

AC9M6N03

ADD & SUBTRACT DECIMALS YEAR 6 ACTIVITY PACK

TRUE	FALSE
$620 + 0.8 = 620.8$	$1.69 + 0.23 = 2.72$
$7.39 + 2.36 = 1$	$4.5 + 6.7 = 12$

AC9M6N04

ADD & SUBTRACT FRACTIONS YEAR 6 ACTIVITY PACK

OPTIONS	WHY?
$\frac{1}{2} + \frac{1}{2} = 1$	
$\frac{1}{2} + \frac{1}{2} = \frac{1}{1}$	
$\frac{1}{2} + \frac{1}{2} = \frac{2}{2}$	
$\frac{1}{2} + \frac{1}{2} = \frac{1}{4}$	
$\frac{1}{2} + \frac{1}{2} = \frac{1}{2}$	

AC9M6N05

MULTIPLY & DIVIDE BY POWERS OF 10 YEAR 6 ACTIVITY PACK

QUESTION KEY	PRELIMINARY KEY
Write 5 multiplication and 5 division word problems that equal 100.	Transform situations or contexts where understanding and using powers of 10 can be valuable.

AC9M6N06

FRACTIONS, DECIMALS & PERCENTAGES OF A QUANTITY YEAR 6 ACTIVITY PACK

FRACTION	DECIMAL
$\frac{1}{2}$	0.5
$\frac{1}{3}$	0.33
50%	

AC9M6N07

APPROXIMATE NUMERICAL SOLUTIONS YEAR 6 ACTIVITY PACK

TRUE	FALSE
$9 \times 2 + \square = 24$	$(2 + \square) \times 2 = 10$
Pattern: 3, 6, 9, 12 ...	Pattern: 55, 45, 35, 25 ...
Rule: $\times 3$	Rule: $\div 2$

AC9M6N08

MATHEMATICAL MODELLING TO SOLVE PROBLEMS YEAR 6 ACTIVITY PACK

ALTERNATIVES KEY	QUESTION KEY
Find 5 alternative ways to calculate 342×253 using a calculator that has a missing 3 key.	Write 5 multiples, multiplication word problems that equal 340.

AC9M6N09

RECOGNISE & USE RULES FOR NUMBER PATTERNS YEAR 6 ACTIVITY PACK

ANSWER KEY	ALPHABET KEY
The answer is +25	Let as many words as you can from A to Z that relate to patterns.

AC9M6A01

FIND UNKNOWN VALUES IN EQUATIONS YEAR 6 ACTIVITY PACK

TRUE	FALSE
$9 \times 2 + \square = 24$	$2 + 3 \times (4 - 6) = 3 \times 4 - 6$

AC9M6A02

GENERATE & EXPLAIN NUMBER PATTERNS YEAR 6 ACTIVITY PACK

PREDICTION KEY	ANSWER KEY
An equation creates a number pattern.	The answer is $\times 2 = 5$. Write 5 possible number pattern questions.

AC9M6A03

LOOKING FOR MORE?



Purchase all 12
outcomes for the
Year 5 Number &
Algebra Strand and

SAVE 20%

YEAR 5

NUMBER & ALGEBRA ACTIVITY BUNDLE

THE SYDNEY TEACHER

70+ ACTIVITIES