



FIND THE AREA & PERIMETRE OF RECTANGLES

AC9M6M02

FINDING LENGTH AND WIDTH

maths MAZE

Calculate the value of the missing length or width of the rectangles 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, recording the letter sequence you followed in the table below.

START

A ?
2cm 12cm^2 6cm

B ?
? 32m^2
8m

C ?
5cm 60cm^2 9mm

D ?
6mm 54mm^2 30km

E ?
3km 15km^2

F 17cm
? 102cm^2 12km

G ?
8km 96km^2 15m

H 13m
? 52m^2

Dimensions on maze paths: 8cm, 10cm, 28m, 4m, 12cm, 4.8mm, 5mm, 12.5km, 5km.

Keep scrolling to see what's included!

LOOKING FOR A FUN WAY TO TEACH STUDENTS HOW TO FIND THE AREA AND PERIMETRE OF RECTANGLES?

♥ All six activities are aligned to the outcome: **(AC9M6M02)**

♥ Tasks range in difficulty from easy to challenging!

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



02
AC9M6M02
CALCULATING AREA OF RECTANGLES
PROBLEM SOLVING

WOULD YOU rather...

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

OPTIONS	
A	Stay at a 3m x 8m hotel room for \$90
B	Stay at a 6m x 4m hotel room for \$120
A	Study at a 120cm x 60cm desk
B	Study at a 100cm x 75cm desk
A	Get a 45mm x 35mm custom sticker for \$1.50
B	Get a 50mm x 25mm custom sticker for \$1.50
A	Play fetch with your little puppy around a 10m x 5.8m park
B	Play fetch with your little puppy around a

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AREA OF RECTANGLES
PROBLEM SOLVING

THINKER'S keys

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THE ALPHABET KEY

List as many words as you can from A to Z that relate to area and rectangles

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THE ANSWER KEY

If 100m² is the answer, what might the question be? Think of 10 possibilities.

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THE BRAINSTORMING KEY

Brainstorm all the real life situations where you need to calculate the area of a rectangle

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THE VARIATIONS KEY

$2 \times (A + B) = 10km$
What might the missing values be if A and B are decimals?
Think of at least 10 variations

LOOKING FOR A FUN WAY TO TEACH STUDENTS HOW TO FIND THE AREA AND PERIMETRE OF RECTANGLES?



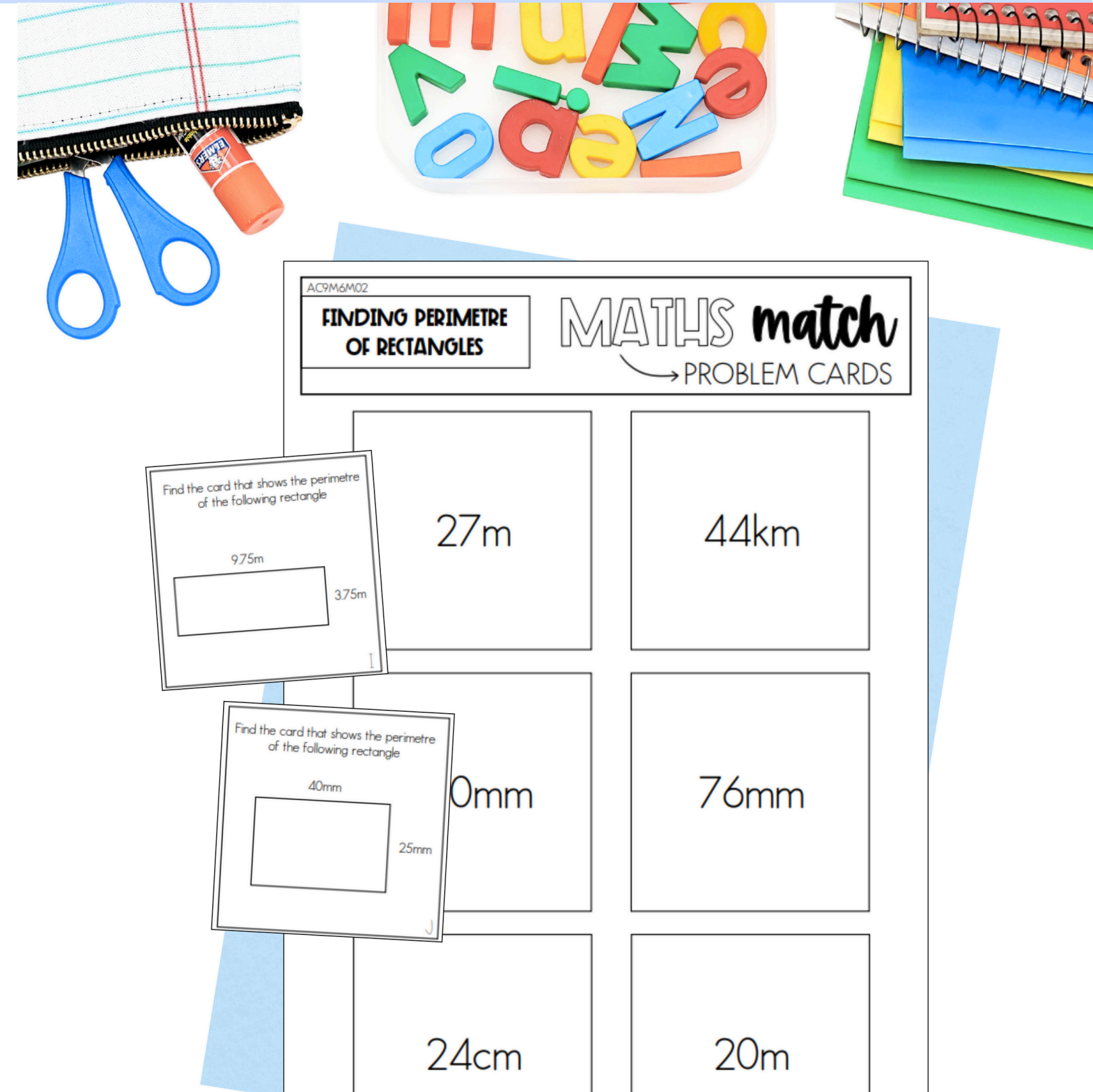
NO planning required for outcome **AC9M6M02**



No prep, just print and go!



Aligns perfectly to the **Year 6 Measurement & Space Assessment Pack!**



INCLUDES ALL THESE AND MORE!

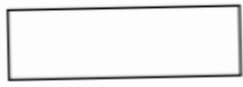
AC9M6M02

CALCULATING THE AREA OF RECTANGLES

TRUE OR FALSE

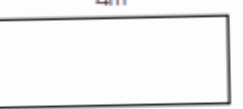
PROBLEM CARDS

The area of this rectangle is 10cm^2



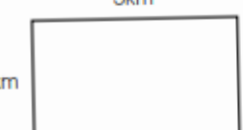
A

The area of this rectangle is 8m^2



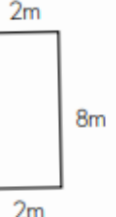
C

The area of this rectangle is 5km^2



E

The area of this rectangle is 22m^2



G

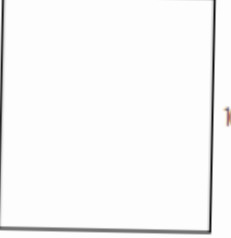
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FINDING PERIMETRE OF RECTANGLES

MATHS MATCH


PROBLEM CARDS

Find the card that shows the perimetre of the following rectangle




G

Find the card that shows the perimetre of the following rectangle



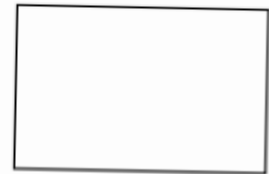
H

Find the card that shows the perimetre of the following rectangle




I

Find the card that shows the perimetre of the following rectangle



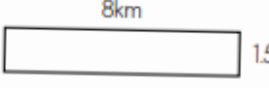
J

Find the card that shows the perimetre of the following rectangle



K

Find the card that shows the perimetre of the following rectangle









L

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CALCULATING THE AREA & PERIMETRE OF RECTANGLES

SUPER SORT

Cut out the problem cards, placing them in the perimetre and area to the rectangle provided

PERIMETRE	AREA
	
	
	
	
	
	

AC9M6M02

CALCULATING AREA OF RECTANGLES

PROBLEM SOLVING

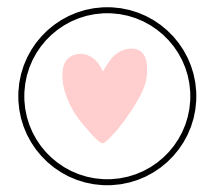
WOULD YOU rather...

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.

WOULD YOU RATHER...	OPTIONS	WHY?
A	Stay at a 3m x 8m hotel room for \$90	OR
B	Stay at a 6m x 4m hotel room for \$120	
A	Study at a 120cm x 60cm desk	OR
B	Study at a 100cm x 75cm desk	
A	Get a 45mm x 35mm custom sticker for \$1.50	OR
B	Get a 50mm x 25mm custom sticker for \$1.50	
A	Play fetch with your little puppy around a 10m x 5.8m park	OR
B	Play fetch with your little puppy around a 4m x 8.5m park	

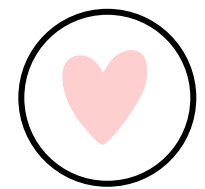
CONTENTS

What's included in this pack?



SIX engaging activities for the outcome **AC9M6M02**:

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



Answer Key for teachers



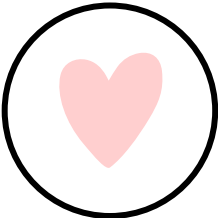
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CALCULATING THE AREA OF RECTANGLES TRUE OR FALSE

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

TRUE	FALSE
<p>The area of this rectangle is 22m^2</p> <p>8m 2m 8m 2m G</p>	<p>The area of this rectangle is 24km^2</p> <p>8mm 3mm D</p>
<p>The area of this rectangle is 8m^2</p> <p>4m 2m 4m 2m C</p>	

HOW YOU CAN USE THIS RESOURCE

-  Print and distribute the activities for **individual or group work**
-  **Guide students** through tasks, from easy to challenging, to build understanding
-  Check answers using the provided answer key for **quick assessment**



LOOKING FOR MORE?



Bring lessons to life with the **Year 6 Measurement & Space Activity Bundle!** Enjoy 42 interactive activities motivate, excite, and challenge students while covering every curriculum goal!

YEAR 6

MEASUREMENT & SPACE ACTIVITY BUNDLE

THE SYDNEY TEACHER

ACTIVITIES

ANGLES ON A STRAIGHT LINE **maths MAZE**

INTERPRET & USE TIMETABLES **TRUE OR FALSE**

Study the ferry timetable, then cut out the problem cards and sort them according to whether they are true or false. Before gluing them, arrange the cards in each column in alphabetical order.

Destination to Arrive	06:15	06:45	07:15	07:45	08:15	08:45	09:15
Circular Quay	06:21	06:57	07:27	07:57	08:27	08:57	09:27
Birchgrove	06:23	07:03	07:33	08:03	08:33	09:03	09:33
Greenwich Point	06:24	07:06	07:36	08:06	08:36	09:06	09:36
Woronora	06:25	07:09	07:39	08:09	08:39	09:09	09:39
Cockatoo Island	06:26	07:14	07:44	08:14	08:44	09:14	09:44

TRUE **FALSE**

A ferry departing Circular Quay at 07:15 will arrive at Birchgrove at 07:33. A

If you miss the 07:03 ferry from Birchgrove to Greenwich Point, the next ferry comes at 07:33. D

If you are at Greenwich you can catch a ferry to Cockatoo Island at 7:00. C

The last departure from Circular Quay to Cockatoo Island is at 10:14. B

The first departure from Circular Quay is at 06:45. E

40+ ACTIVITIES