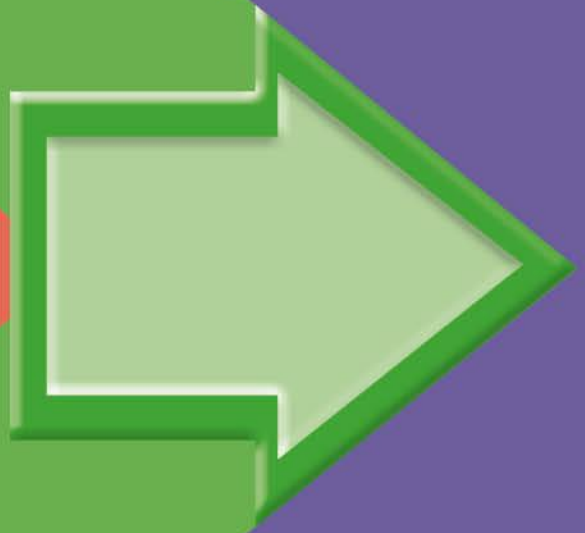
PERIMETER ON A GRID



White Rose Maths

GET READY

White Rose Maths

1) Which unit could <u>not</u> be used to measure perimeter?

inch km ml mm

2) $7 + 7 + 4 + 4 = 7 \times \square + 4 \times \square$

3) $8 + 6 + 6 + 8 = \square + 16$

4) Which shape's perimeter would be hardest to measure using only a ruler?

Circle Pentagon Trapezium Triangle

1) Which unit could not be used to measure perimeter?

inch km **ml** mm

2) $7 + 7 + 4 + 4 = 7 \times \boxed{2} + 4 \times \boxed{2}$

3) $8 + 6 + 6 + 8 = \boxed{12} + 16$

4) Which shape's perimeter would be hardest to measure using only a ruler?

Circle Pentagon Trapezium Triangle

LET'S LEARN

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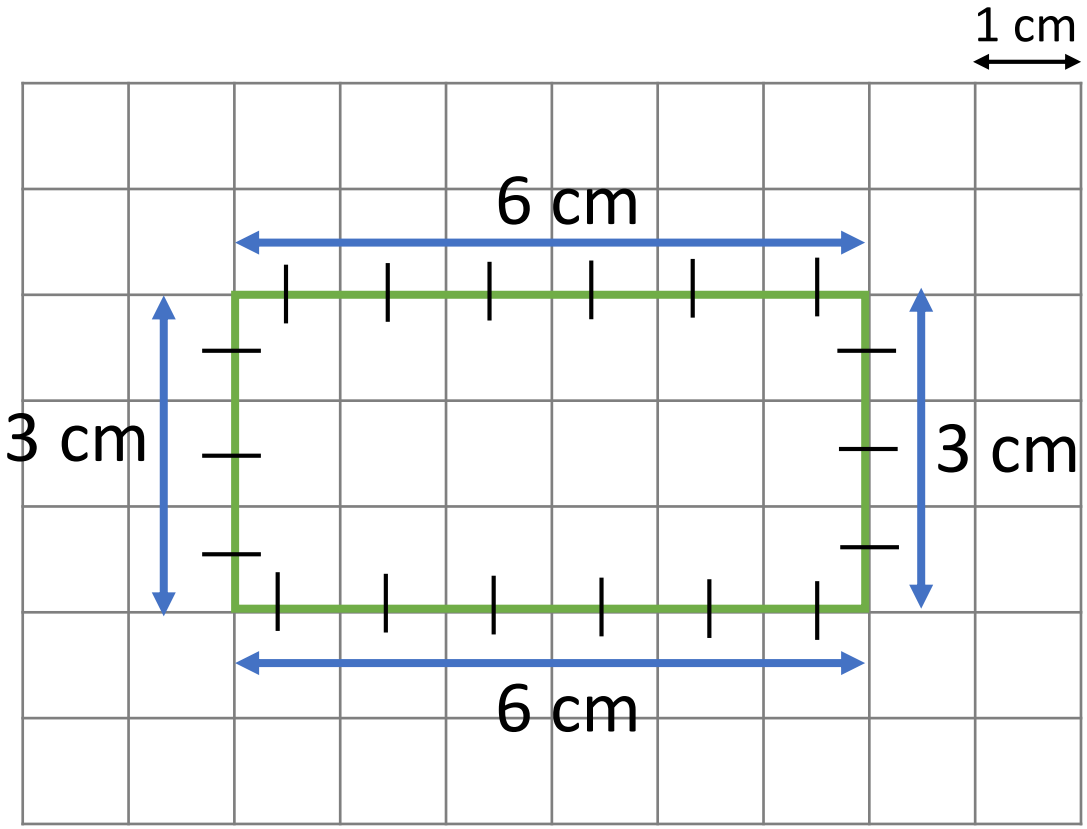


Perimeter = the length around a closed 2D shape

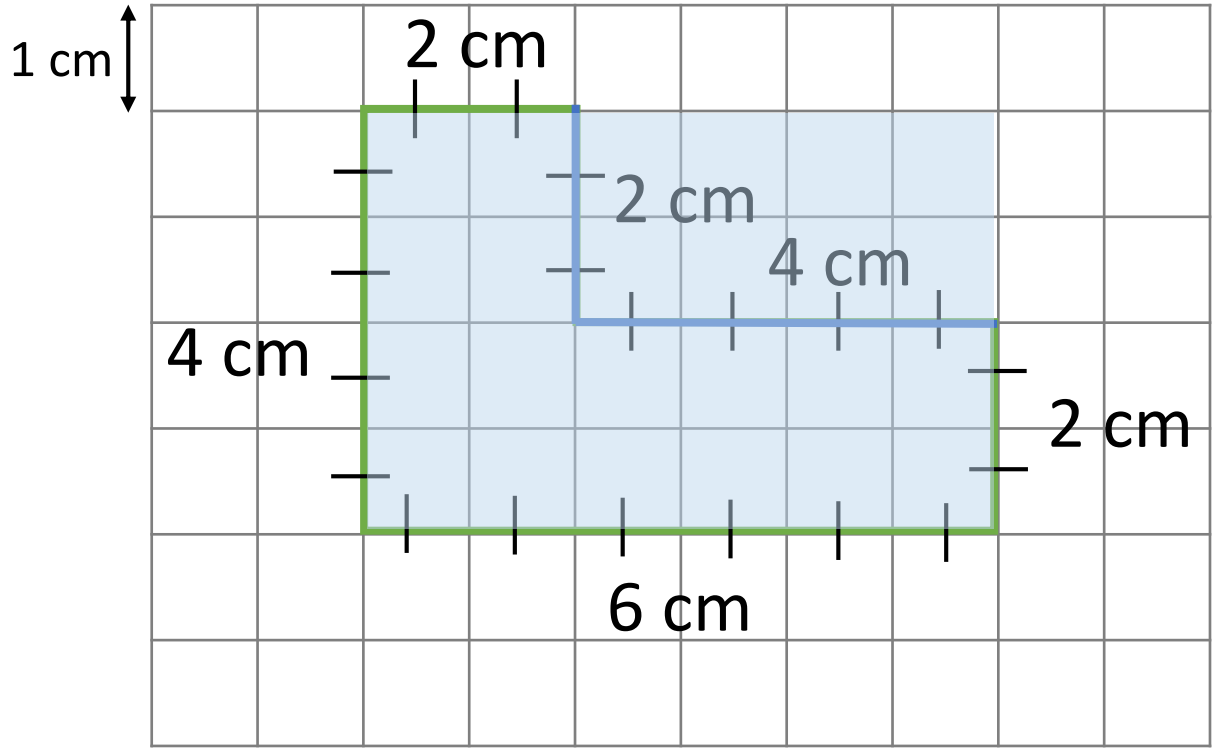
$6 + 3 + 6 + 3 = 18$ cm

$6 \times 2 + 3 \times 2 = 18$ cm

$6 + 3 = 9$

$9 \times 2 = 18$ cm

What is the perimeter of this rectilinear shape?



Have a think

Do I need to count all the squares?

$2 + 2 + 4 + 2 + 6 + 4 = 20$ cm

$6 + 4 = 10$ $\quad$ $10 \times 2 = 20$ cm

YOUR TURN

Have a go at questions
1 - 2 on the worksheet

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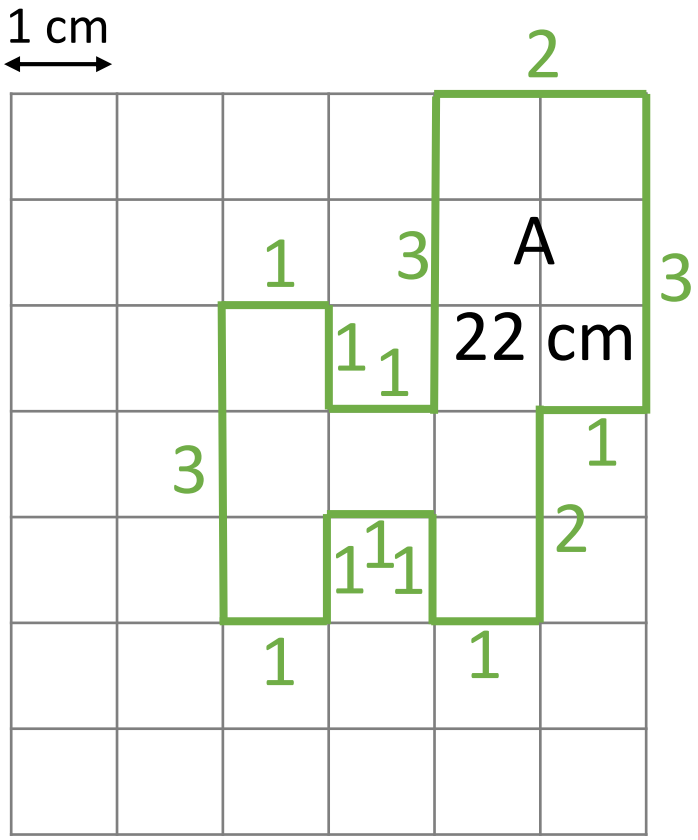
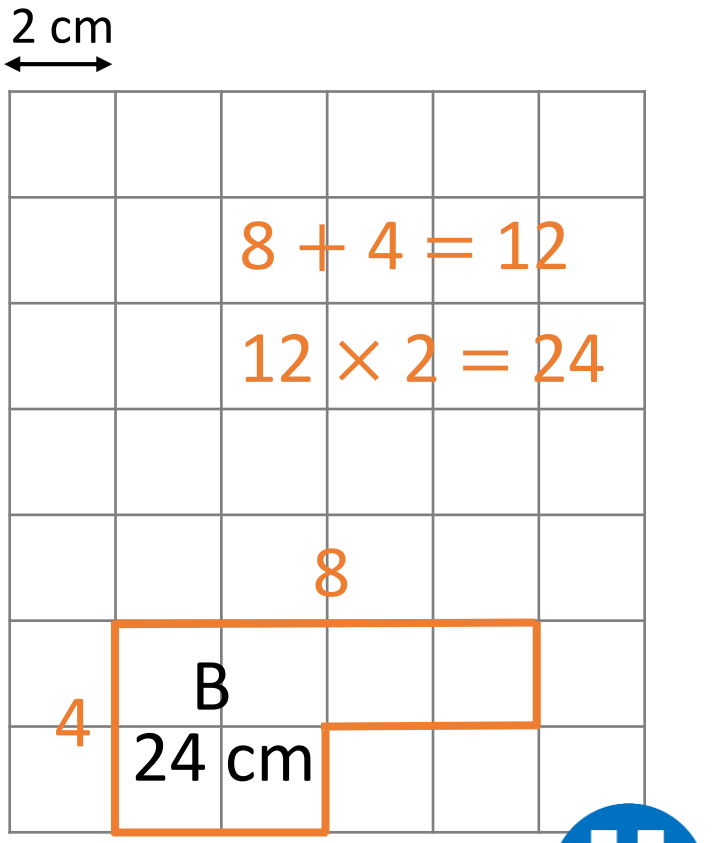




Have a think

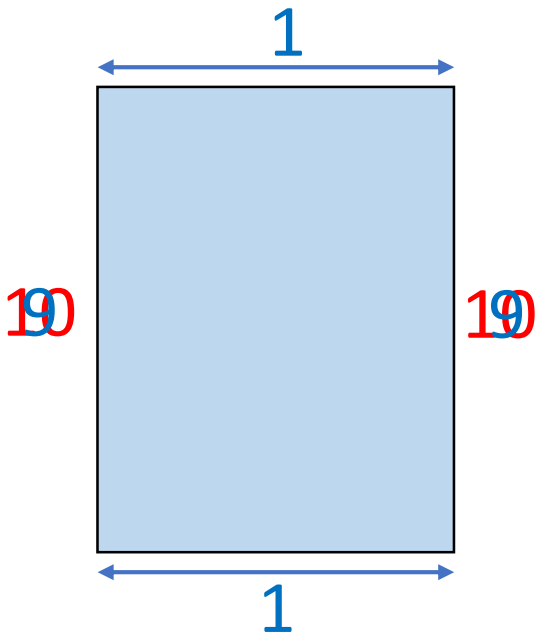
Which shape has the greater perimeter?

Shape B

Have a think

Draw a rectangle with a perimeter of 20 cm

Two pairs of equal sides



$\boxed{19} \times 2 + \boxed{1} \times 2 = 20$

18 $\qquad 20 - 18 = 2$

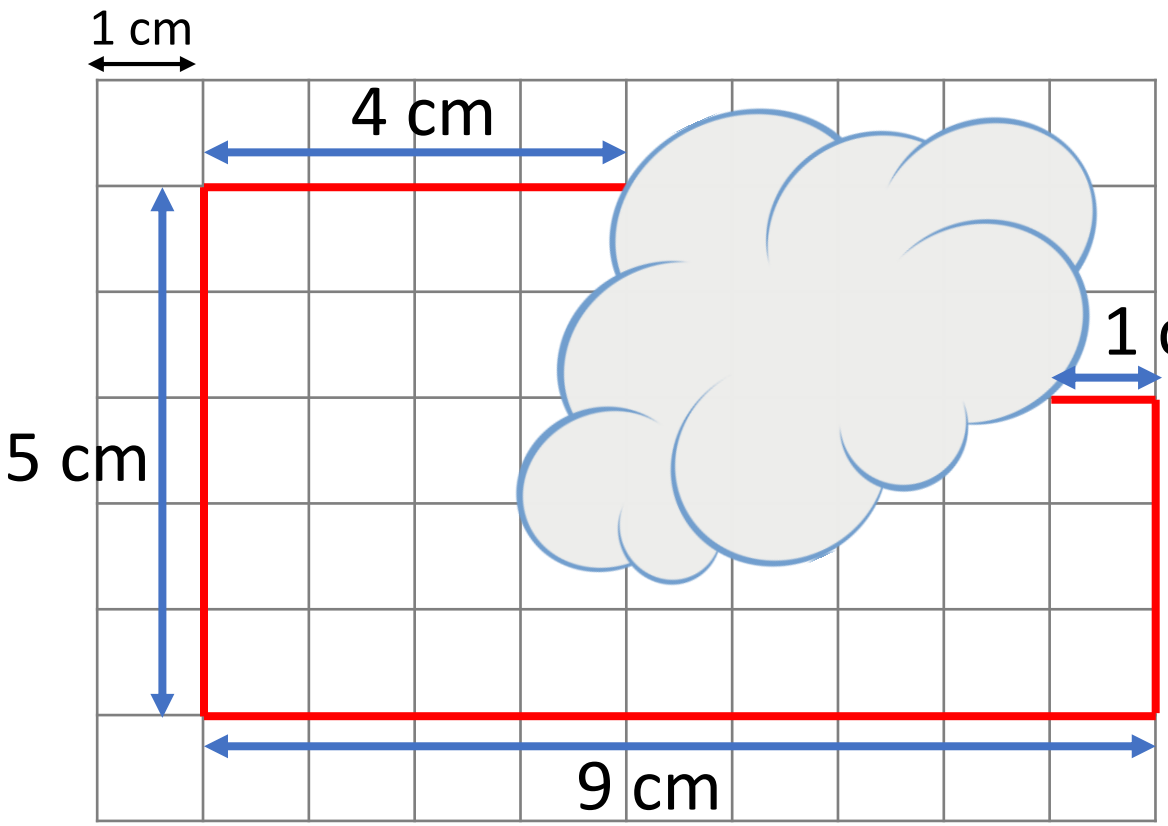
Have a think

8 and 2

7 and 3

6 and 4

5 and 5



Have a think

Is this closed shape's perimeter greater than 22 cm?

$9 + 3 + 1 + 4 + 5 =$

$9 + 1 + 3 + 4 + 5 = 22$ cm

Yes

YOUR TURN

Have a go at questions 3 - 7 on the worksheet

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