

RECALL – ADDING ON A NUMBER LINE

Adding in units on a number line

- 1) Write the first number at the start of your number line.
- 2) Hop forward the correct number of places.
- 3) Fill the numbers in underneath.
- 4) What do you land on?

For example: $8 + 5 = 13$



Solve these on a number line.

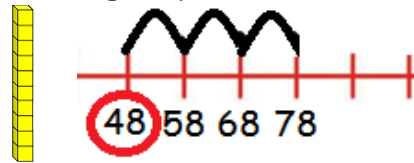
$$5 + 5 =$$

$$9 + 5 =$$

$$13 + 6 =$$

Add in tens on a number line

For example: $48 + 30 = 78$
 $48 + 3$ groups of ten



Solve these on a number line.

$$15 + 10 =$$

$$23 + 20 =$$

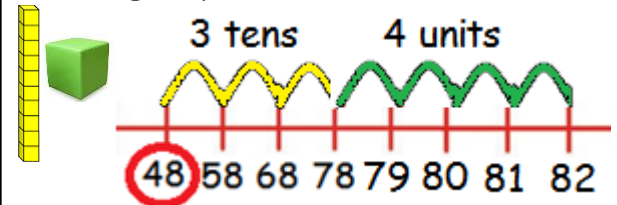
$$35 + 40 =$$

$$57 + 30 =$$

$$13 + 70 =$$

Add in tens and units on a number line

For example: $48 + 34 = 82$
 $48 + 3$ groups of ten and 4 more units.



Solve these on a number line.

$$19 + 13 =$$

$$34 + 25 =$$

$$47 + 26 =$$

$$67 + 19 =$$

$$96 + 25 =$$

$$265 + 124 =$$

$$354 + 237 =$$



3 BEFORE ME



LO: I CAN MEASURE PERIMETER (CENTIMETRES)

Page

Success Criteria

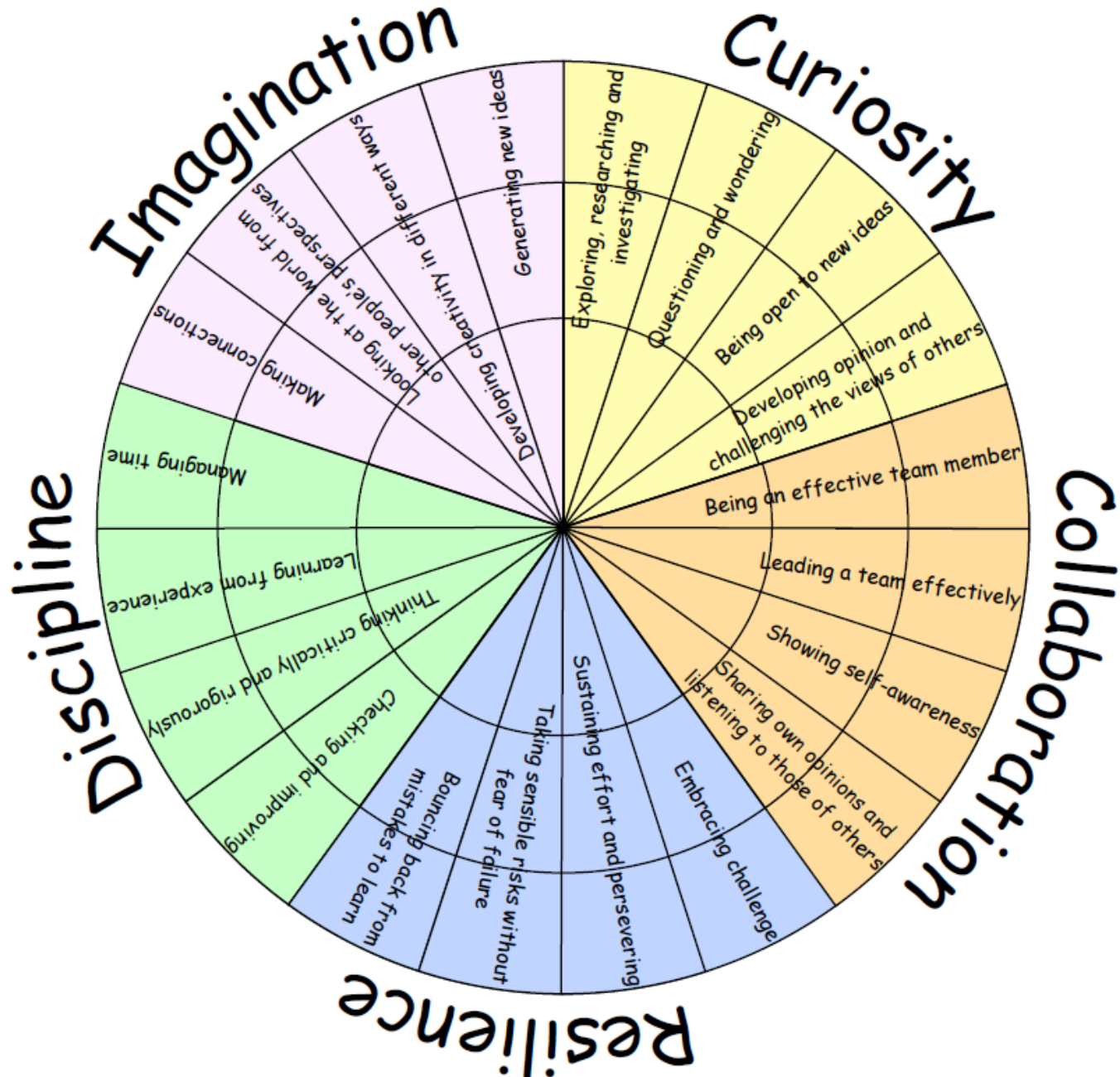
Some will even add 6 or more measurements.

Some will add 5 measurements.

Most will add 4 measurements.

All will add three simple measurements (with support).

LEARNING HABITS?



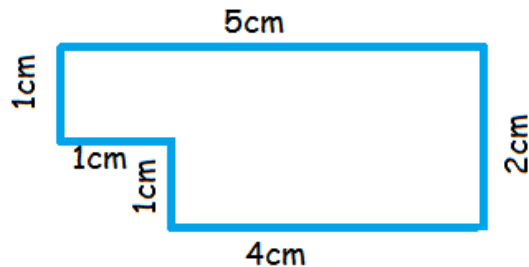
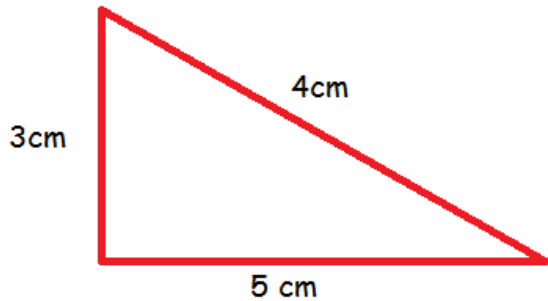
GUIDED PRACTICE

Leah is making shapes out of wool to stick to her card.

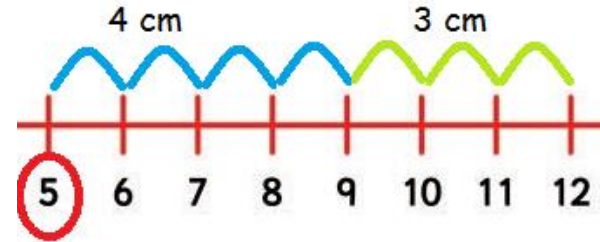
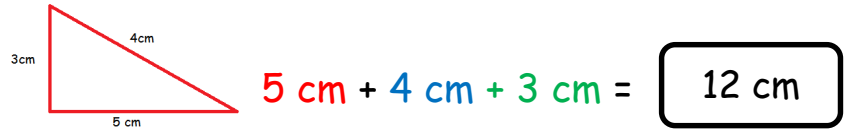


She wants to measure the perimeter of each shape.

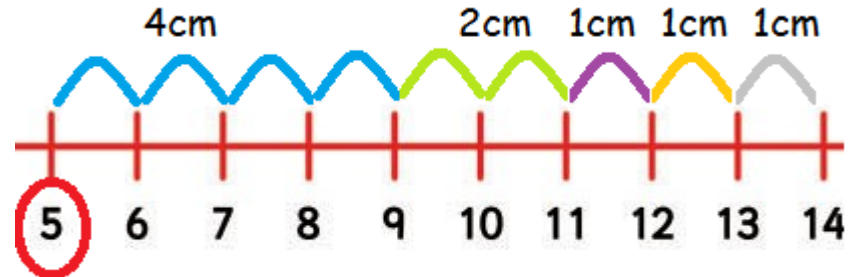
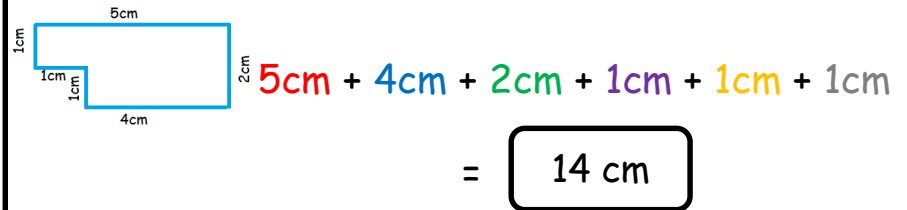
Perimeter = measure ALL the lengths and add them together.



- The perimeter of the red triangle.

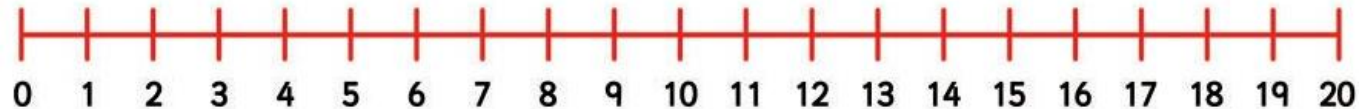
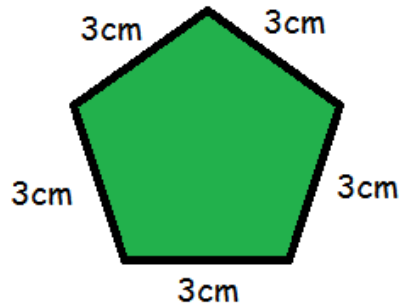
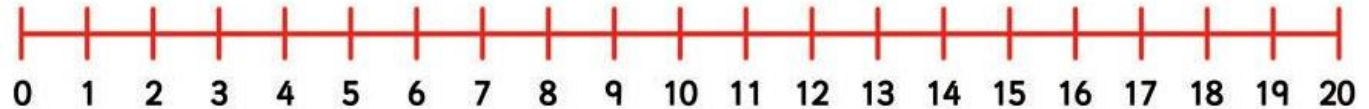
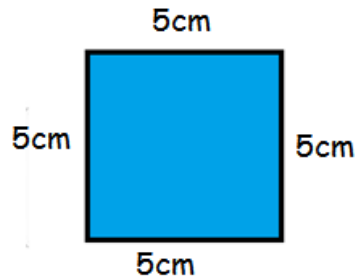
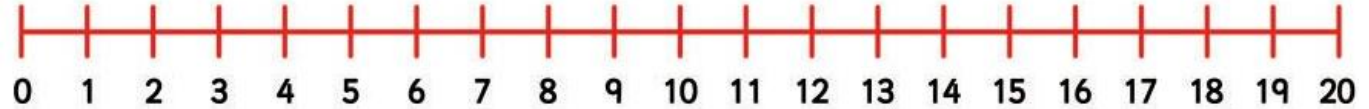
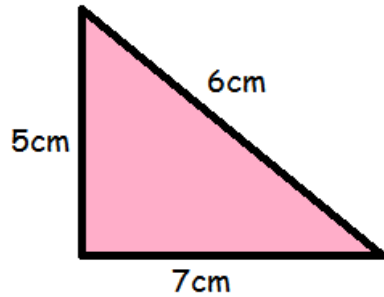


- The perimeter of the blue square.



GUIDED EXAMPLES (SUPPORT YOUR CHILD/GUIDED)

Work out the perimeter of each shape by adding all of the lengths.

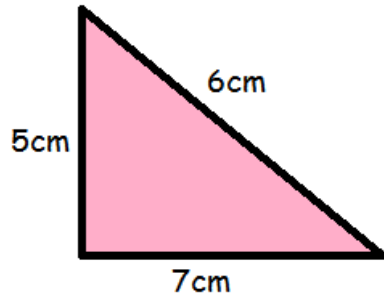


3 BEFORE ME

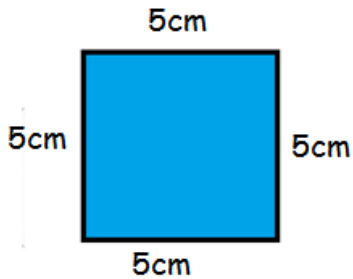
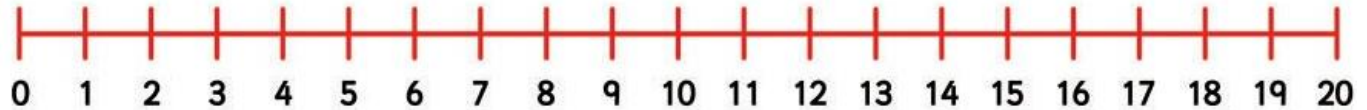


GUIDED EXAMPLES (SUPPORT YOUR CHILD/GUIDED)

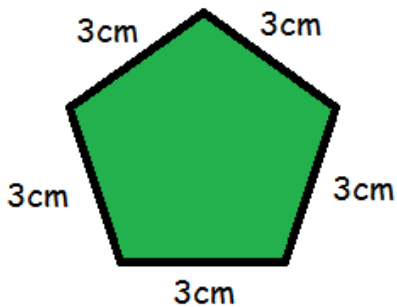
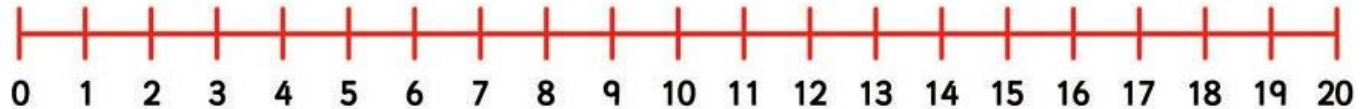
Work out the perimeter of each shape by adding all of the lengths.



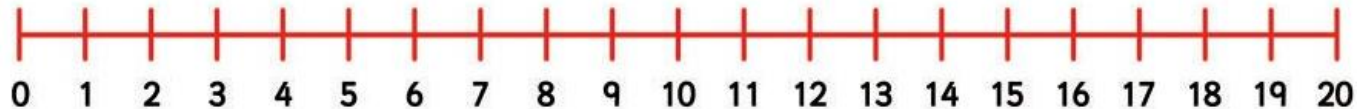
$$5 + 6 + 7 = 18 \text{ cm}$$



$$5 + 5 + 5 + 5 = 20 \text{ cm}$$




$$3 + 3 + 3 + 3 + 3 = 15 \text{ cm}$$

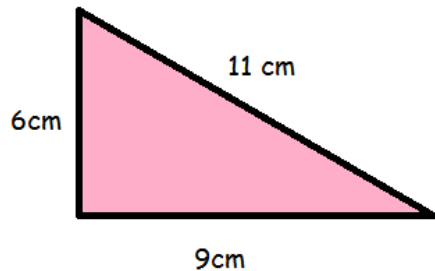
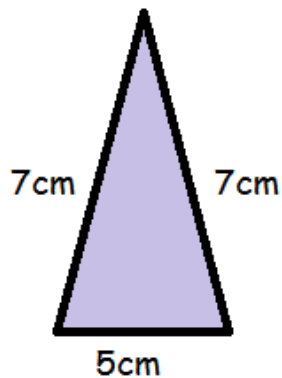
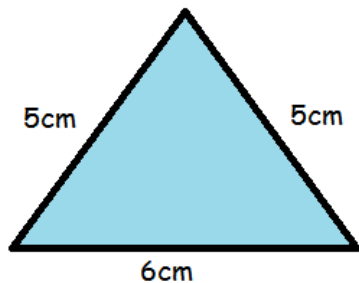


INTELLIGENT PRACTICE

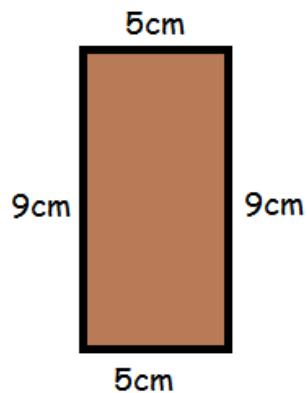
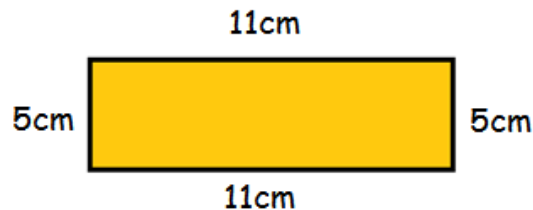
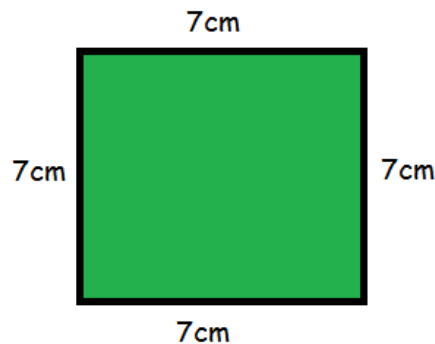



Add all the lengths to find perimeter.

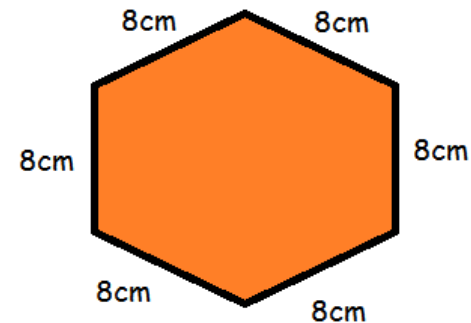
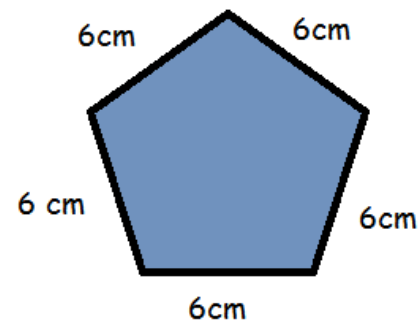
Measure the perimeter of the triangles. 




Measure the perimeter of the squares/rectangles. 



Measure the perimeter of the pentagon and hexagon. 




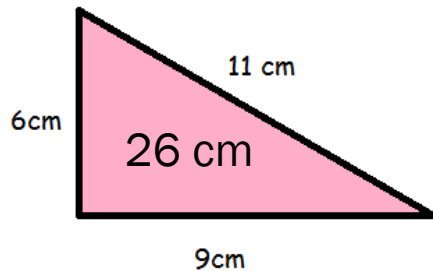
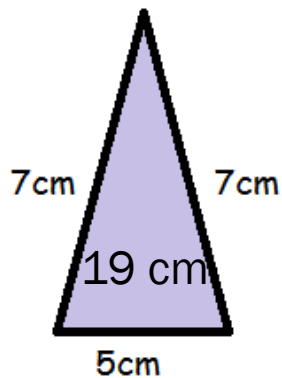
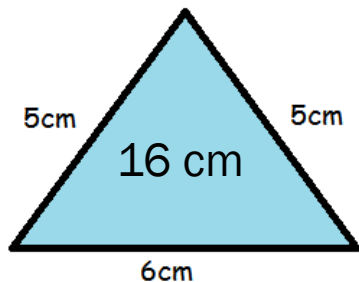
Draw your own shape.
Write lengths on each side.
Work out the perimeter. 

INTELLIGENT PRACTICE

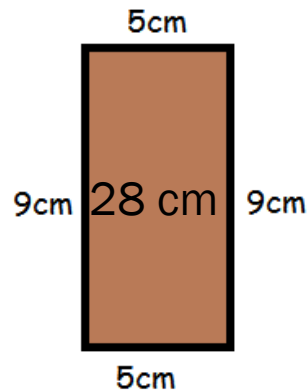
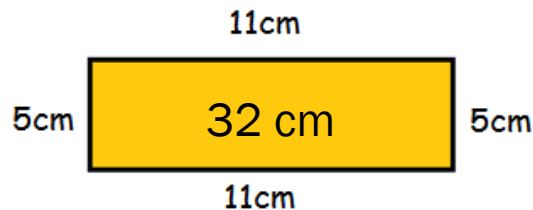
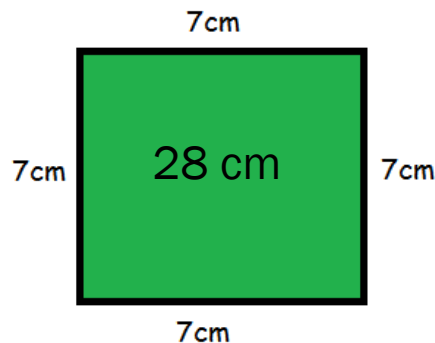



Add all the lengths to find perimeter.

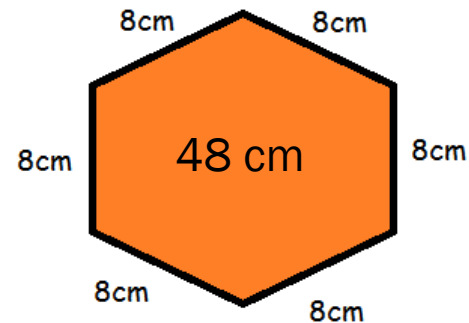
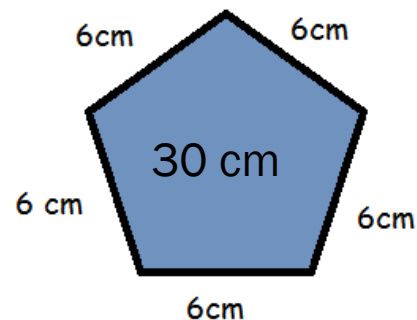
Measure the perimeter of the triangles. 




Measure the perimeter of the squares/rectangles. 




Measure the perimeter of the pentagon and hexagon. 



Draw your own shape.
Write lengths on each side.
Work out the perimeter. 


DIVE DEEPER 1

1 Each side of the pizza is 12 cm long.
What is the perimeter?
Write the calculation.




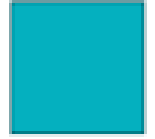


cm + cm + cm = cm

2 Each side of the map is 11 cm.
What is the perimeter?
Write the calculation.



+ + + = cm

3 Draw a line to match each perimeter calculation to the correct shape.
Hint: think about the sides.

6cm + 6cm + 6cm + 6cm


8cm + 8cm + 8cm

3cm + 3cm + 3cm + 3cm + 3cm + 3cm

10 cm + 10cm + 5cm + 5cm


4 This traffic sign is a triangle.
All three sides are the same length.

If the perimeter is 30 cm,
how long is each side? cm




5 This traffic sign is a square.
All four sides are equal in length.

If the perimeter is 80 cm,
how long is each side? cm



6 Two children have a discussion about this road sign.
Who is right?




Becky: A circle has one side so you can not measure the perimeter.

James: If a shape has a side, you can measure the perimeter.


DIVE DEEPER 1 ANSWERS

1 Each side of the pizza is 12 cm long.
What is the perimeter?
Write the calculation.



$12\text{ cm} + 12\text{ cm} + 12\text{ cm} = 36\text{ cm}$

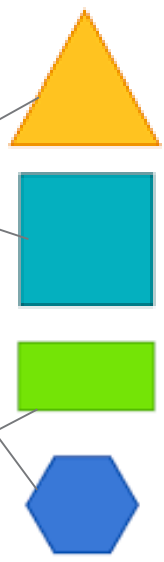
2 Each side of the map is 11 cm.
What is the perimeter?
Write the calculation.



$11 + 11 + 11 + 11 = 44$

44 cm

3 Draw a line to match each perimeter calculation to the correct shape.
Hint: think about the sides.




$6\text{ cm} + 6\text{ cm} + 6\text{ cm} + 6\text{ cm}$ (connected to the cyan square)

$8\text{ cm} + 8\text{ cm} + 8\text{ cm}$ (connected to the yellow triangle)


$3\text{ cm} + 3\text{ cm} + 3\text{ cm} + 3\text{ cm} + 3\text{ cm} + 3\text{ cm}$ (connected to the blue hexagon)

$10\text{ cm} + 10\text{ cm} + 5\text{ cm} + 5\text{ cm}$ (connected to the green rectangle)


4 This traffic sign is a triangle.
All three sides are the same length.
If the perimeter is 30 cm,
how long is each side? 10 cm



5 This traffic sign is a square.
All four sides are equal in length.
If the perimeter is 80 cm,
how long is each side? 20 cm



6 Two children have a discussion about this road sign.
Who is right?



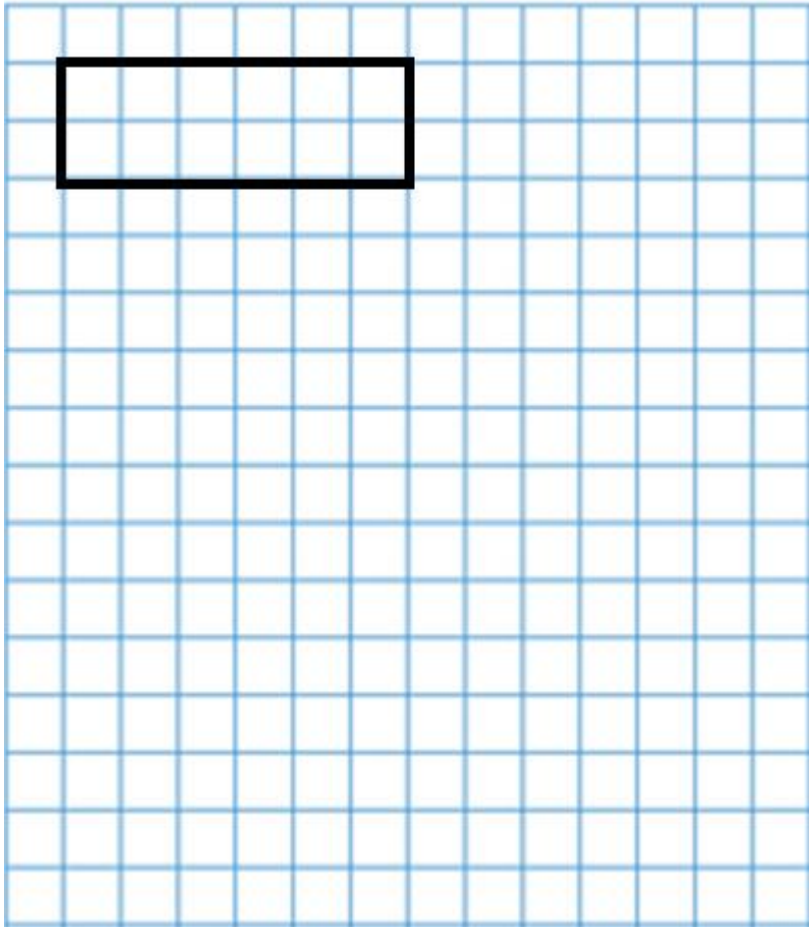
Becky: A circle has one side so you can not measure the perimeter.

James: If a shape has a side, you can measure the perimeter.

The perimeter of a circle is called the circumference.
You can measure it by putting string over the edge of the circle and then measure the string against a ruler.

DIVE DEEPER 2

- 1 This piece of paper has 1cm squares. I have drawn a rectangle with 4 sides (6cm, 6cm, 2 cm and 2cm).



Can you draw a square that has four sides of 5cm?
Can you draw a rectangle that has two 8cm sides and two 3cm sides?

- 2 *Only a triangle can have a perimeter of 12 cm.*

True or False? Prove it.

- 3 All side lengths are 6cm. Use your times tables to work out the perimeter for each shape.



8 sides

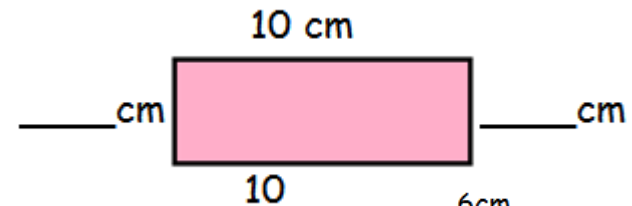


10 sides

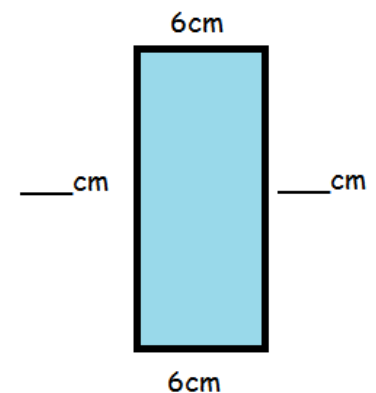


12 sides

- 4 The perimeter of this rectangle is 28 cm. Complete the missing lengths.

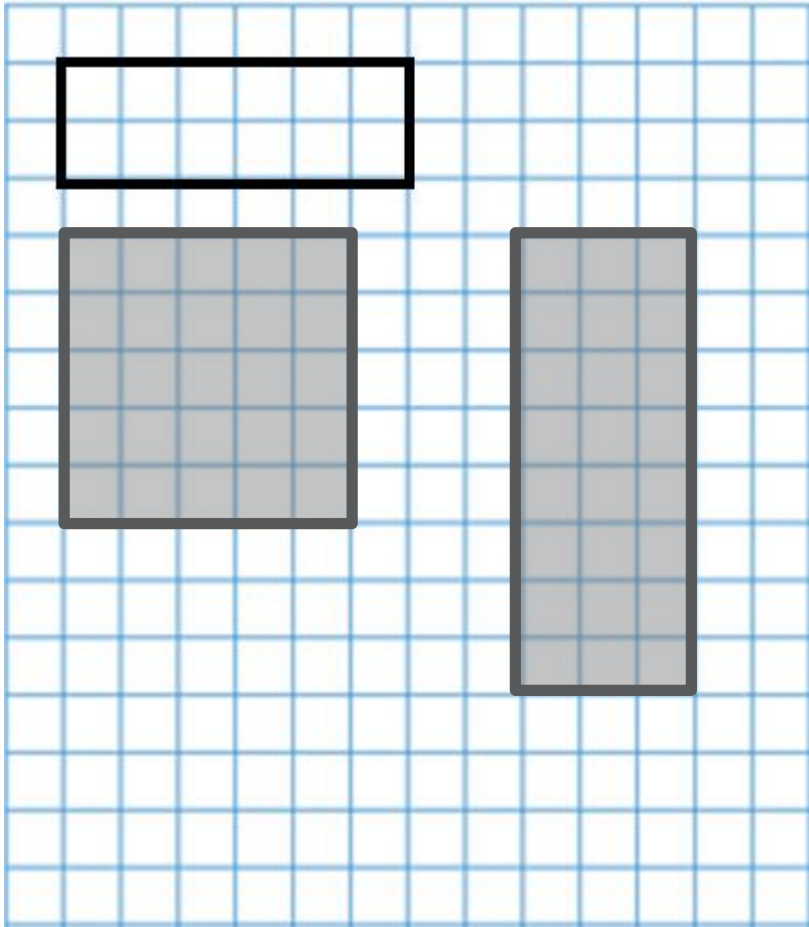


The perimeter of this rectangle is 34 cm. Complete the missing lengths.



DIVE DEEPER 2 ANSWERS

- 1 This piece of paper has 1cm squares. I have drawn a rectangle with 4 sides (6cm, 6cm, 2 cm and 2cm).



Can you draw a square that has four sides of 5cm?
Can you draw a rectangle that has two 8cm sides and two 3cm sides?

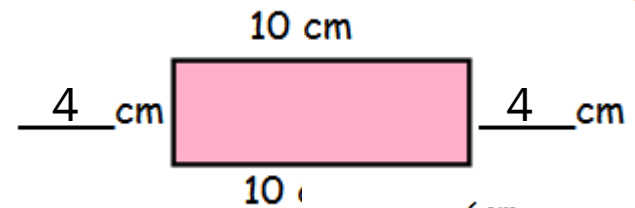
- 2 *Only a triangle can have a perimeter of 12 cm.*
True or False? Prove it.
False - Other shapes can have a perimeter of 12 cm.

- 3 All side lengths are 6cm. Use your times tables to work out the perimeter for each shape.



8 sides = 48 cm 10 sides = 60 cm 12 sides = 72 cm

- 4 The perimeter of this rectangle is 28 cm.
Complete the missing lengths.



The perimeter of this rectangle is 34 cm.
Complete the missing lengths.

