POP QUIZ!!!!

1)What is 6 x 6?

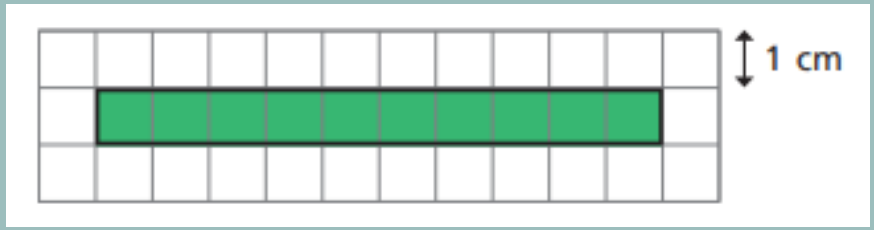
2)What is 7 x 9?

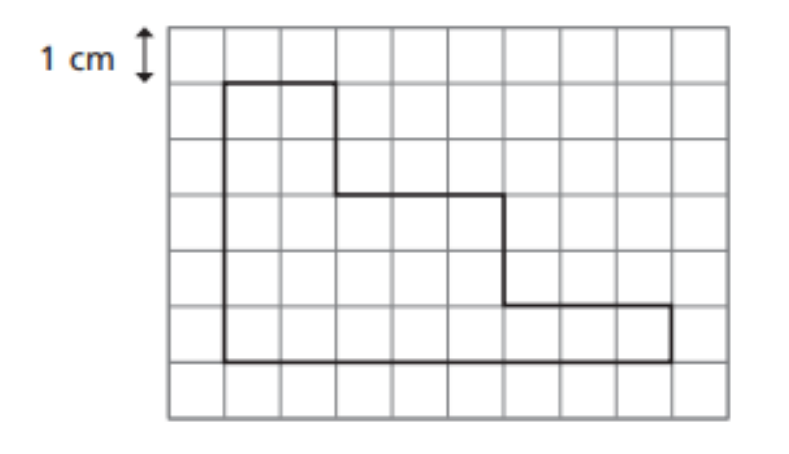
3)How many sides does an octagon have?

4)Name 5 prime numbers

5)Name 3 square numbers

RECALL





Count the squares to help you.

What would be the perimeter of the green rectangle if the scale was 1cm not 5cm?

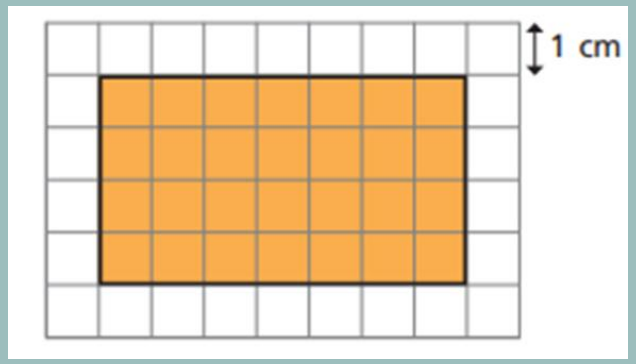
GUIDED PRACTICE

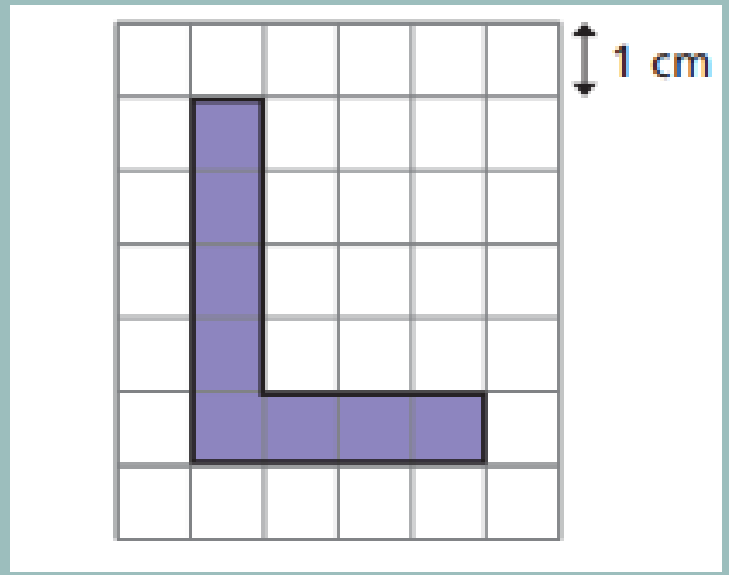
LO: finding the perimeter of shapes on a grid

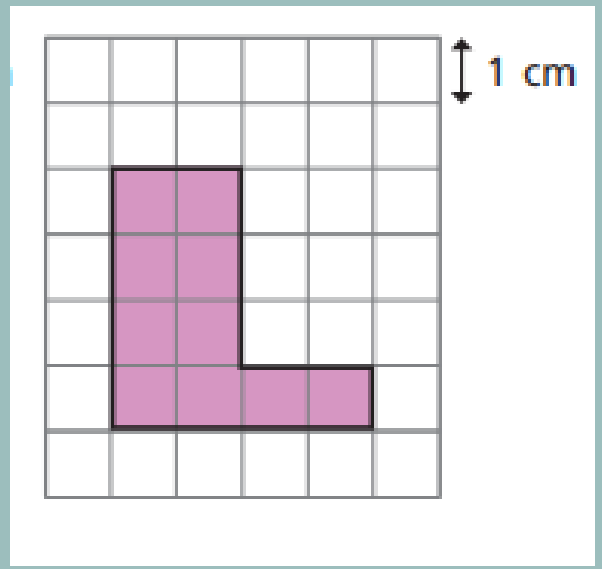
Some will even answer questions out of context.
Some will draw different shapes when given the perimeter.
Most will draw rectangles when given the perimeter.
All will use a grid to measure the perimeter of shapes.

LEARNING HABIT DISCIPLINE.

Work out the perimeter of these shapes.





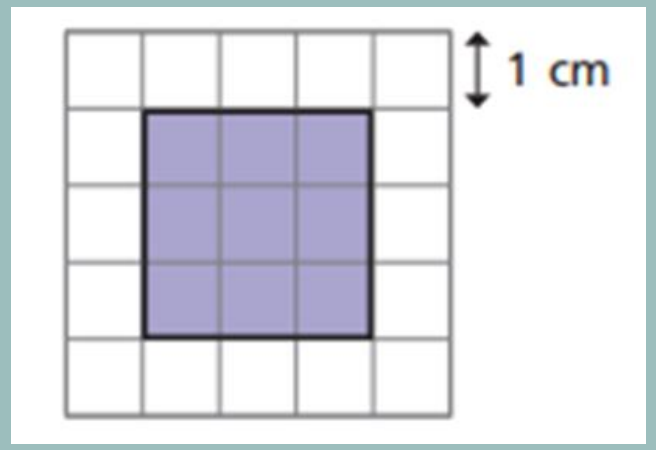


Make sure you add up all sides.

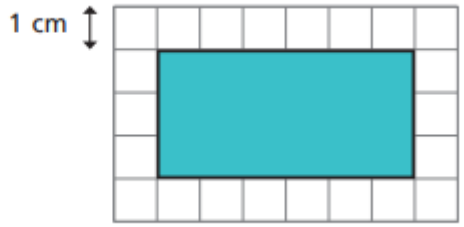
Put the answers in ascending order.

INTELLIGENT QUESTIONS

Work out the perimeter of this shape.



Work out the perimeter of the rectangle.

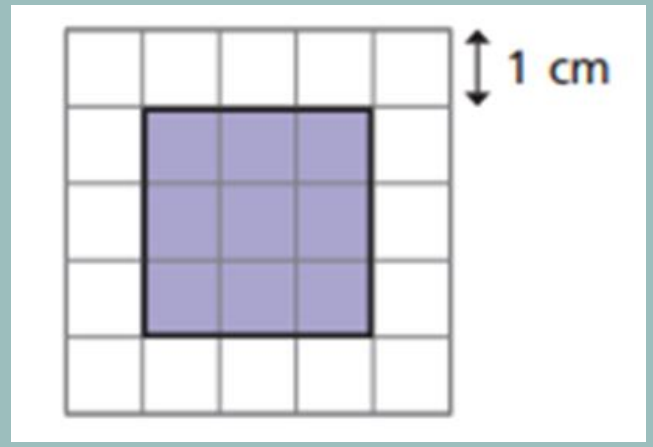


Count the squares to help

What would be the perimeter of each shape if the scale was 10cm?

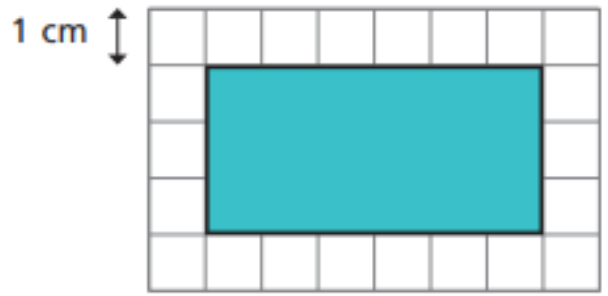
DIVE DEEPER 1

Work out the perimeter of this shape.



12 cm

Work out the perimeter of the rectangle.



18 cm

Count the squares to help

What would be the perimeter of each shape if the scale was 10cm?

DIVE DEEPER 1ANSWERS

Draw two different rectangles with a perimeter of 14cm

Draw two shapes with a perimeter of 20 cm.

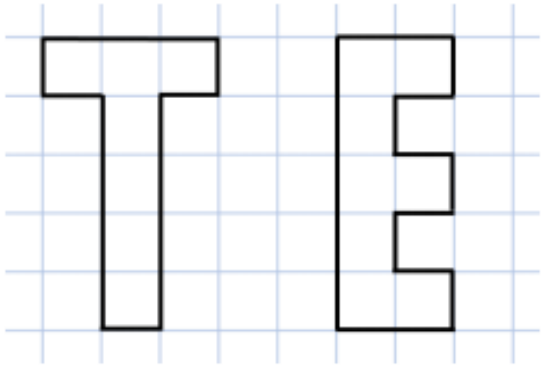
Your shapes should **not** be rectangles.

Remember that a rectangle has two sets of sides that are the same length.

Are the shapes you've drawn for the second question regular or irregular?

DIVE DEEPER 2

Which of these shapes has the longest perimeter?



Explore other letters which could be drawn as rectilinear shapes.

Put them in order of shortest to longest perimeter.

Can you make a word?

You have 10 paving stones to design a patio. The stones are one metre square.

The stones must be joined to each other so that at least one edge is joined corner to corner.

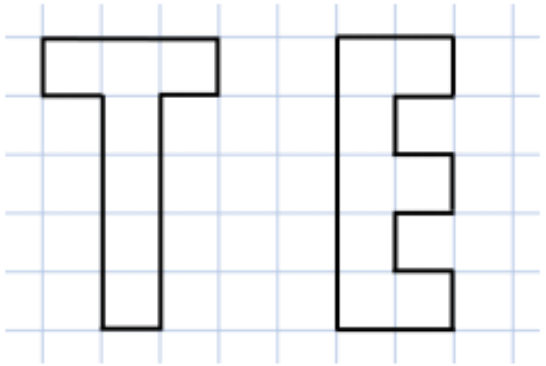
Use squared paper to show which design would give the longest perimeter and which would give the shortest.

Have a think why some letters won't be able to be done on a grid.

Can you make a whole sentence with these the letters.

DIVE DEEPER 3

Which of these shapes has the longest perimeter?



Explore other letters which could be drawn as rectilinear shapes.

Put them in order of shortest to longest perimeter.

Can you make a word?

E has a greater perimeter, it is 18 compared to 16 for T.

Open ended. Letters which could be drawn include:

B C D F I J L O P

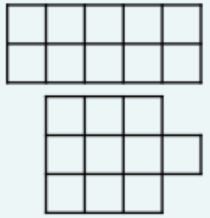
Letters with diagonal lines would be omitted. If heights of letters are kept the same, I or L could be the shortest.

You have 10 paving stones to design a patio. The stones are one metre square.

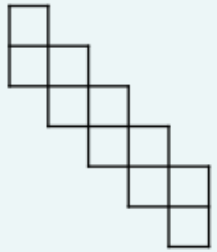
The stones must be joined to each other so that at least one edge is joined corner to corner.

Use squared paper to show which design would give the longest perimeter and which would give the shortest.

The shortest perimeter would be 14 m in a 2 × 5 arrangement or 3 × 3 square with one added on.



The longest would be 22 m.



Have a think why some letters won't be able to be done on a grid.

Can you make a whole sentence with these the letters.

DIVE DEEPER 3 ANSWERS