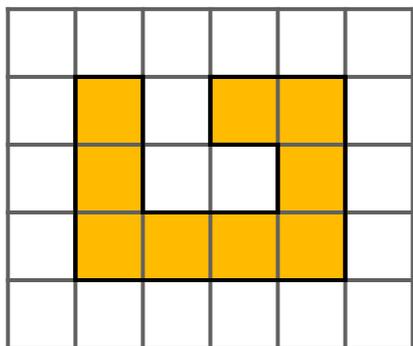


Shapes Same Area

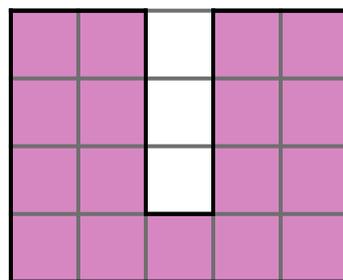
1. Circle the correct area for the shaded shape below.



- 8
squares
- 9
squares
- 10
squares

VF

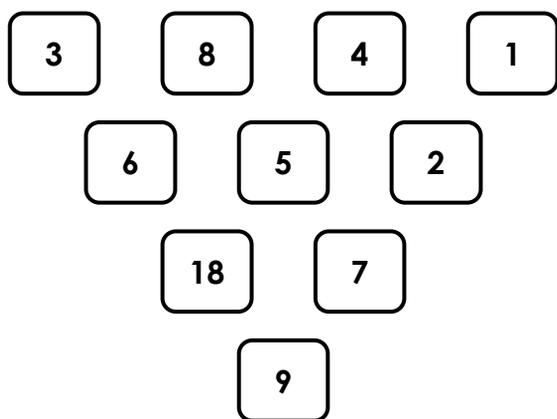
4. Philip is trying to work out if he has enough mosaic tiles to re-make this shape on a board. He has 18 purple tiles.



Does he have enough mosaic tiles left? Prove it.

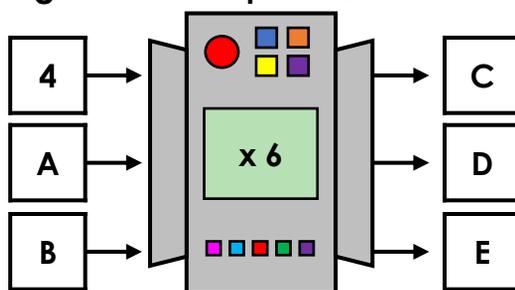
R

2. Circle the numbers that are not factors of 18.



VF

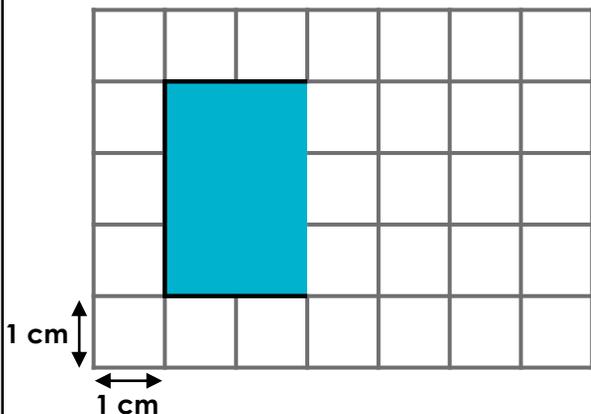
5. Three factors are put into the machine below. Use the clues to work out what the missing factors and products could be.



D is half of C.
B is an odd number.
E is bigger than D but smaller than 50.

PS

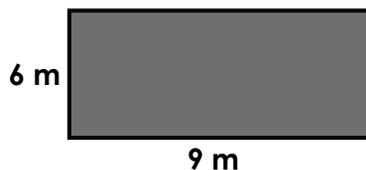
3. Complete the shape to make a rectangle with an area of 15 cm^2 .



Write down the calculation used to show the length and width of the rectangle.

VF

6. Mr Schofield is buying kitchen tiles ready for his wall, which is shown below.



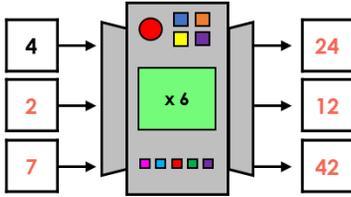
The area of each of his tiles is 2 m^2 .

Mr Schofield thinks he needs to order 27 tiles. Is he correct? Convince me.

R

Shapes Same Area

1. 9 squares
2. The numbers that are not factors of 18 are: 4, 5, 7 and 8.
3. The shape is completed with 9 more squares to make a rectangle that is 5 cm by 3 cm.
4. Philip will have enough tiles left to make the shape. The area is 17 squares and he has 18 tiles to use.
5. Various answers, for example:



6. Mr Schofield is correct. The area needed to be covered is 54 m^2 and each tile is 2 m^2 , so he needs 27 tiles altogether.