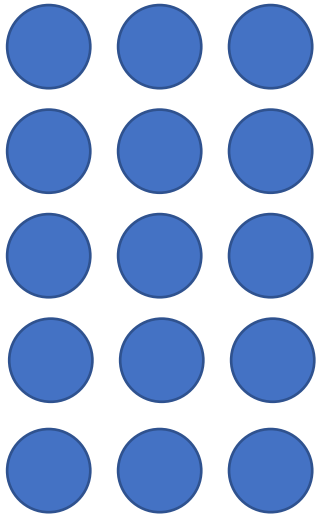
COUNTING SQUARES

White Rose Maths

GET READY

White Rose Maths

1) 

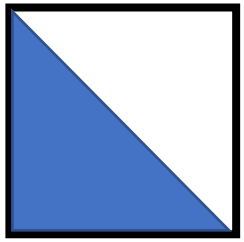
Complete the missing numbers to describe the array.

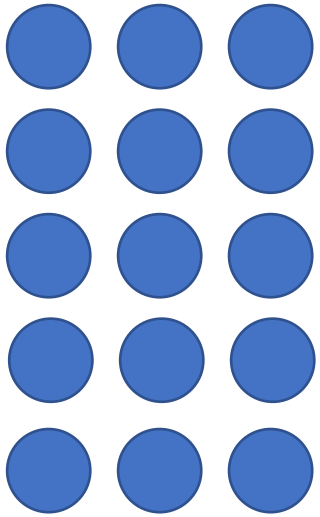
$___ + ___ + ___ = ____$

$3 \times ___ = ___$

2) $8 + 8 + 8 + 8 = ___ \times 8$

3) What fraction of the shape is shaded?



1) 

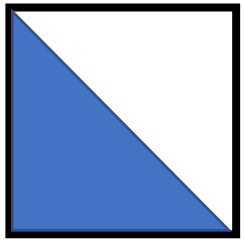
Complete the missing numbers to describe the array.

$_5_ + _5_ + _5_ = _15_$

$3 \times _5_ = _15_$

2) $8 + 8 + 8 + 8 = _4_ \times 8$

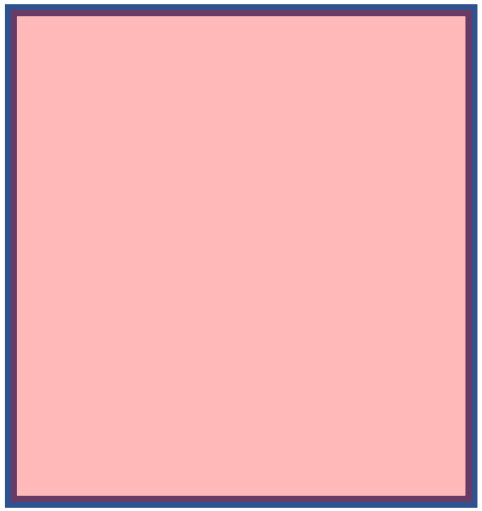
3) What fraction of the shape is shaded?



$\frac{1}{2}$

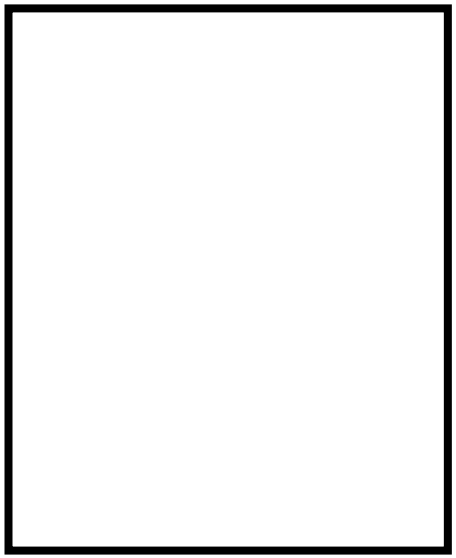
LET'S LEARN

White Rose Maths



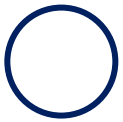
Area is the space inside a closed 2-D shape.

Have a think

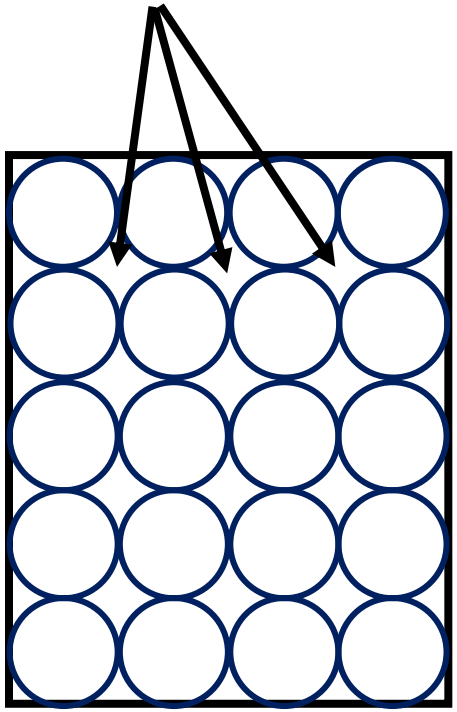


Which shape would be the best to fill the rectangle?

Why?

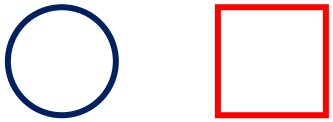


Gaps

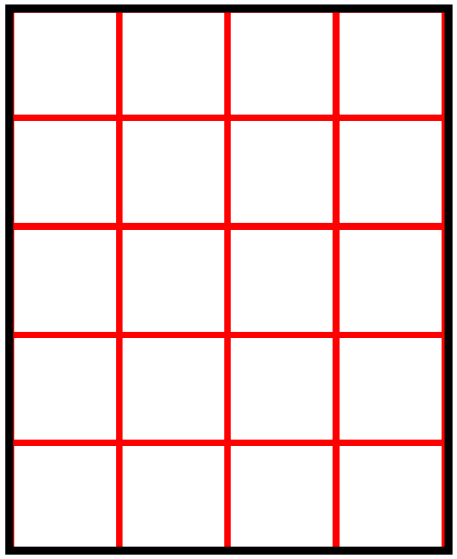


Which shape would be the best to fill the rectangle?

Why?

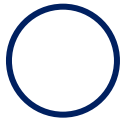


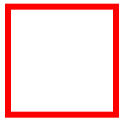
The area is 20 circles

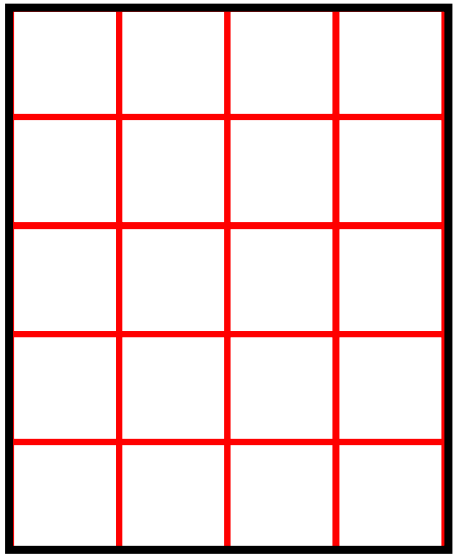


Which shape would be the best to fill the rectangle?

Why?

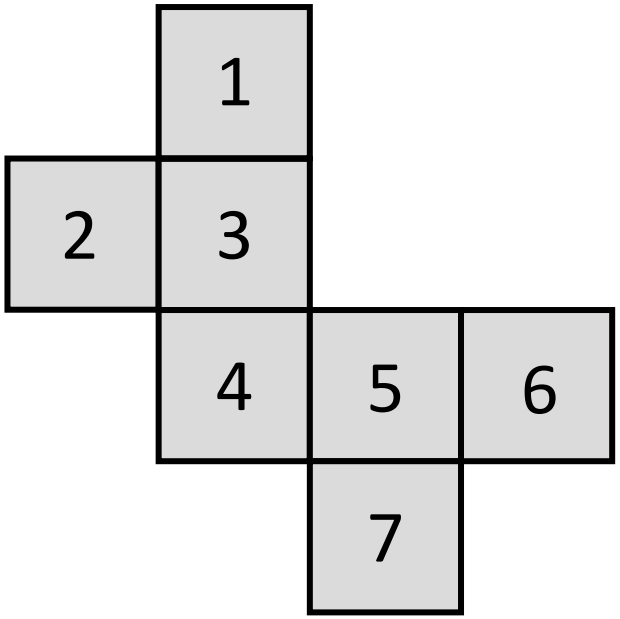






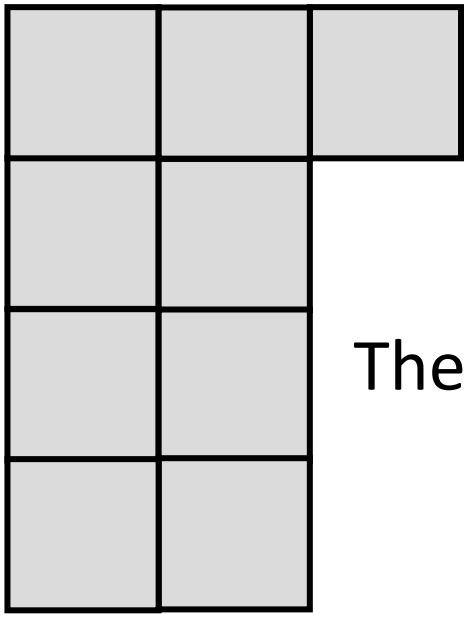
The area of the rectangle is:

20 squares



The area is 7 squares.

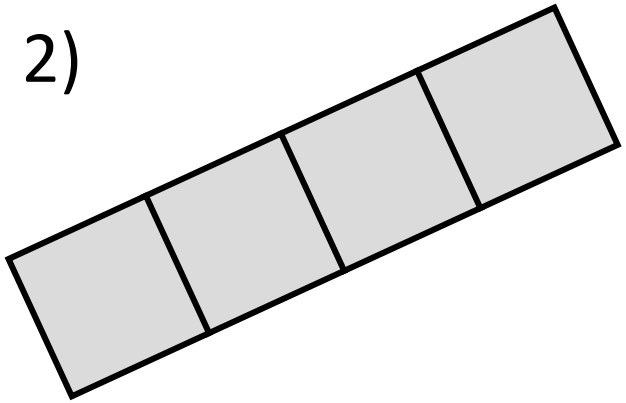
1)



Have a think

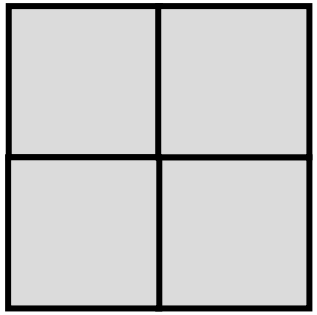
The area is 9 squares.

2)



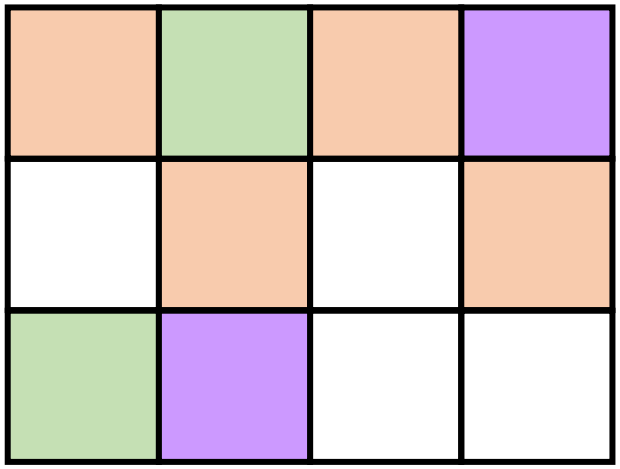
The area is 4 squares.

3)



The area is 4 squares.

Have a think



The green area is 2 squares.

The orange area is 4 squares.

The purple area is 2 squares.

The white area is 4 squares.

The total area is 12 squares.

YOUR TURN

Have a go at questions
1 - 4 on the worksheet

White Rose Maths

To find the area, I'm going to count the squares.

	3	6	9	12
4	1	2	3	4
8	5	6	7	8
12	9	10	11	12

I'm going to use multiples to be more efficient.

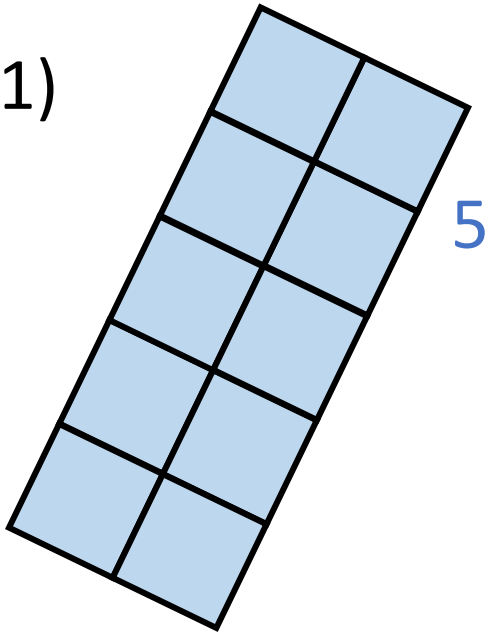
$4 + 4 + 4 = 12$ $\quad$ $3 + 3 + 3 + 3 = 12$

$4 \times 3 = 12$ $\quad$ $3 \times 4 = 12$

The total area is 12 squares.

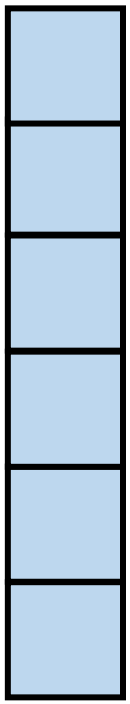
Have a think

1)



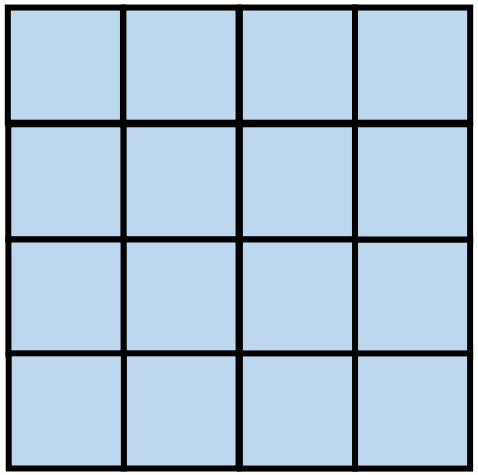
$5 \times 2 = 10$ squares

2)

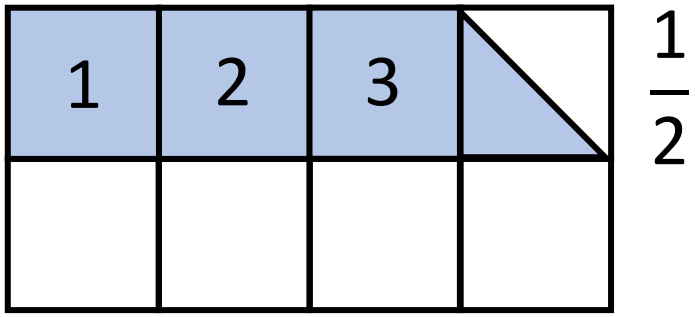


$1 \times 6 = 6$ squares

3)

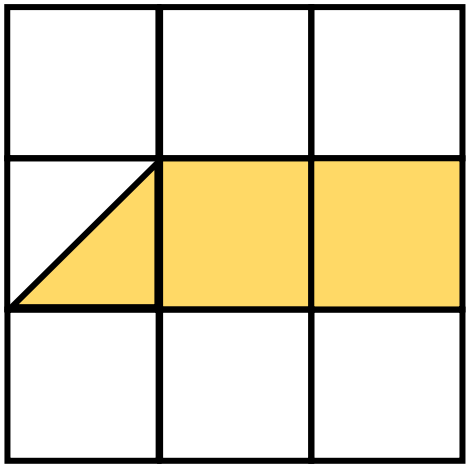


$4 \times 4 = 16$ squares

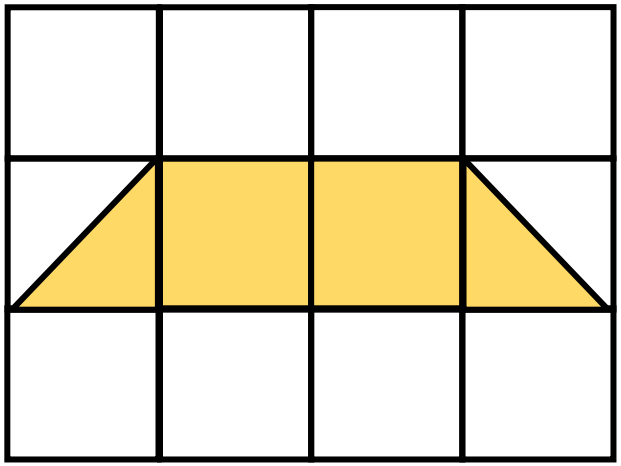


The area is $3\frac{1}{2}$ squares.

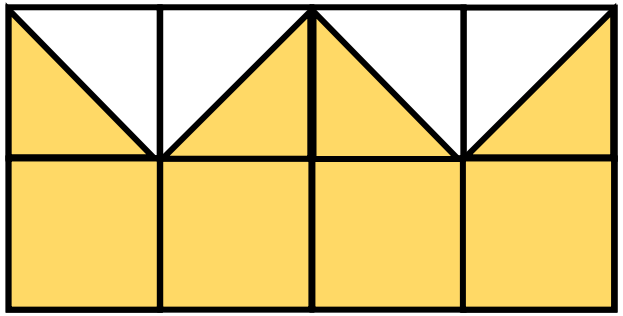
Have a think

1) 

$2\frac{1}{2}$

2) 

3

3) 

6

YOUR TURN

Have a go at questions 5 - 8 on the worksheet

White Rose Maths