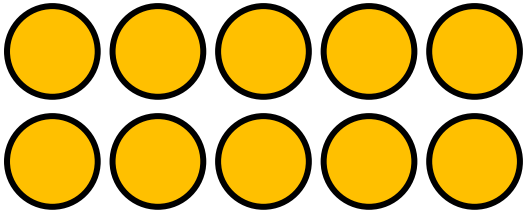
USING ARRAYS

GET READY

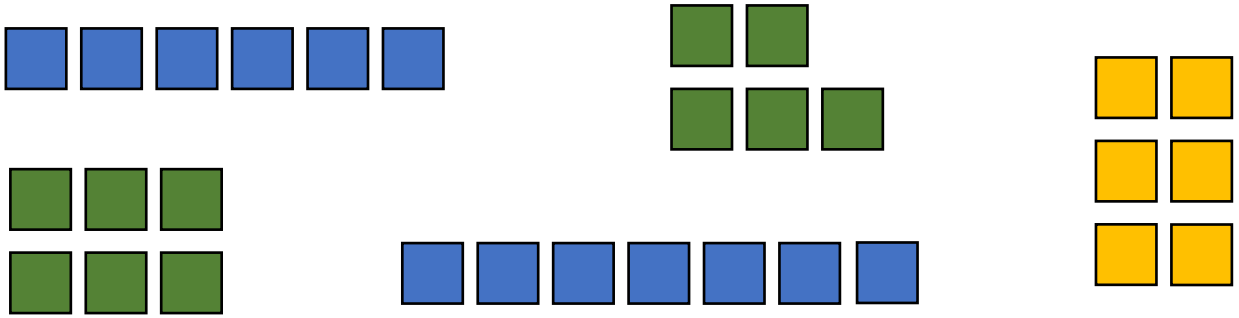
White Rose Maths

1) How many counters?

2) How many counters?



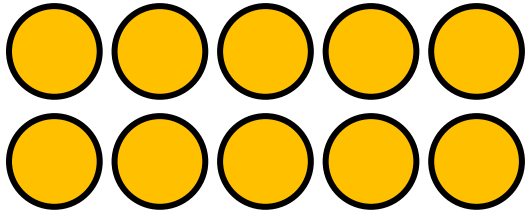
3) Which representations show 6?



1) How many counters?

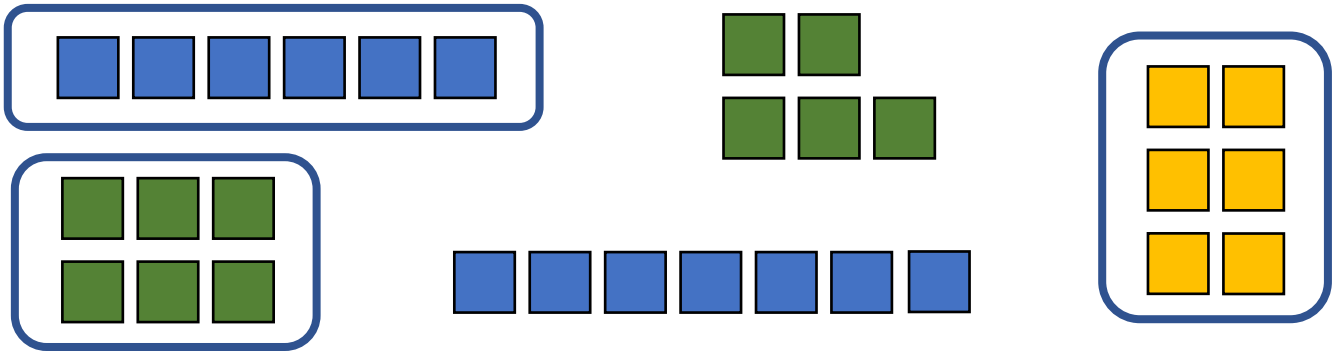
5

2) How many counters?



10

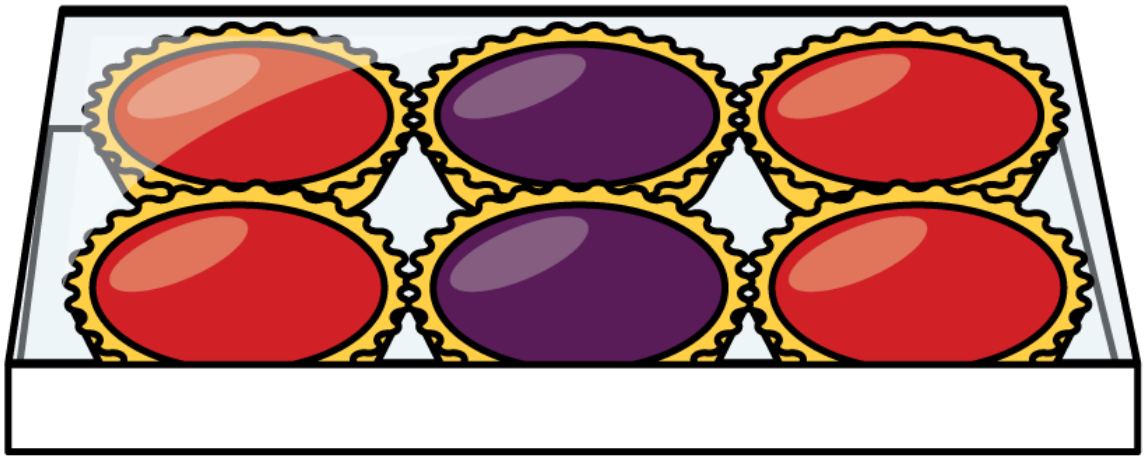
3) Which representations show 6?



LET'S LEARN

White Rose Maths

How many tarts?

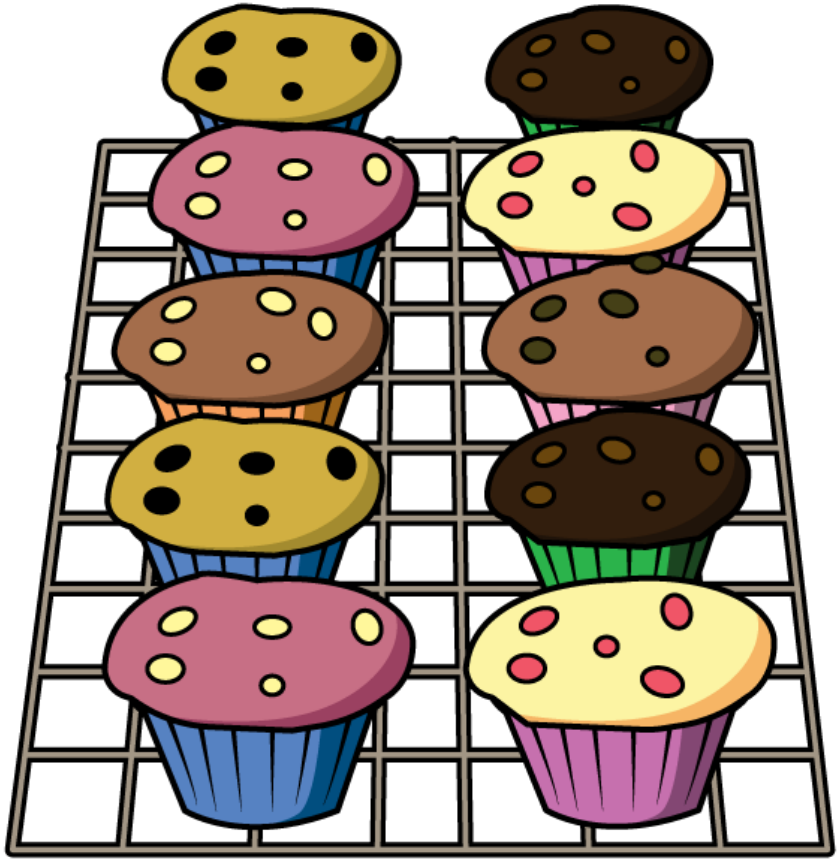


3

3

2 2 2

How many cakes?



2

2

2

2

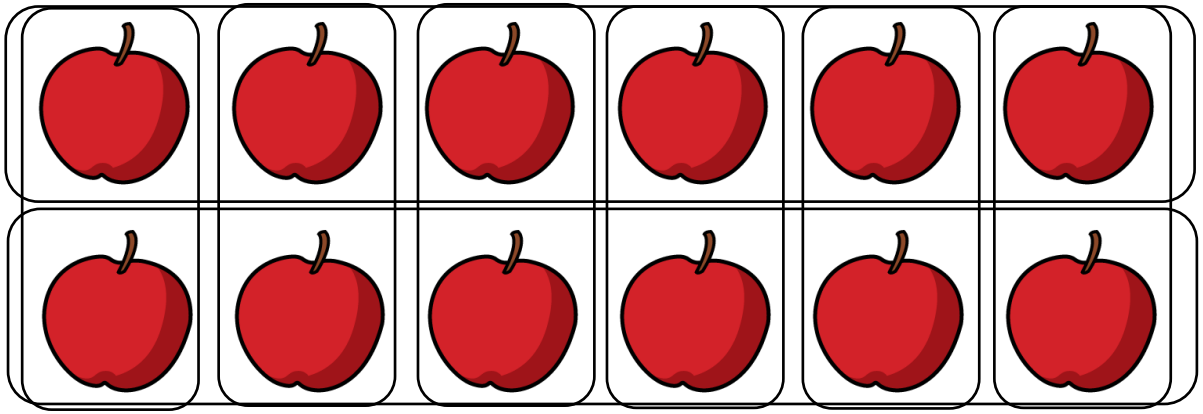
2

5 5

What is an array?

6 columns

2 rows



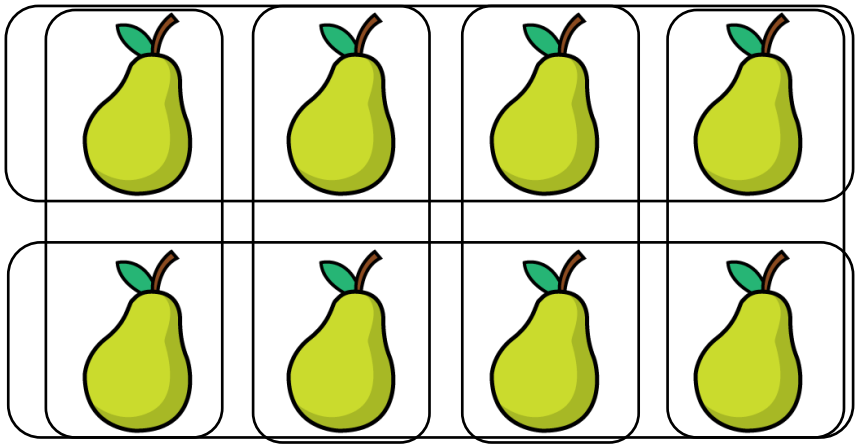
$6 + 6 = 12$

$2 \times 6 = 12$

$2 + 2 + 2 + 2 + 2 + 2 = 12$

$6 \times 2 = 12$

Have a think



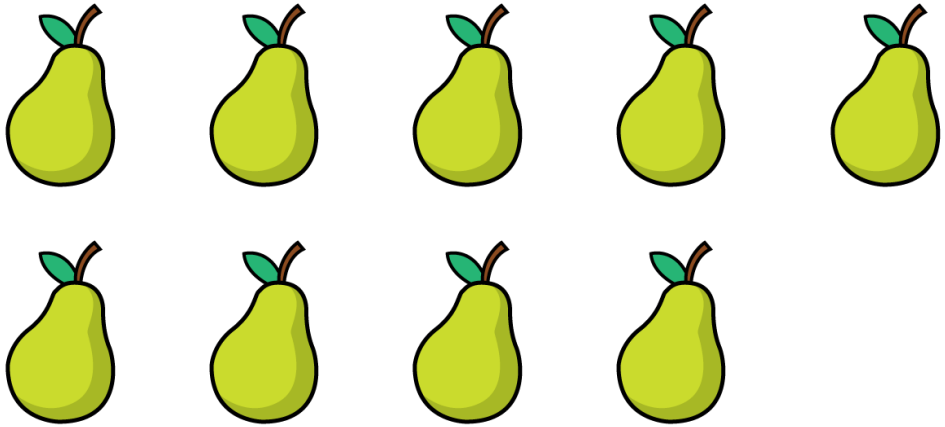
$4 + 4 = 8$

$2 \times 4 = 8$

$2 + 2 + 2 + 2 = 8$

$4 \times 2 = 8$

Have a think



You can't make an array because 9 is an odd number

$3 + 3 + 3 = 9$

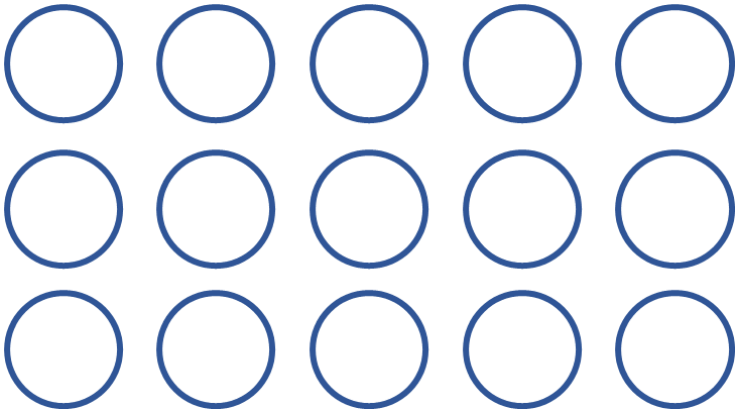
$3 \times 3 = 9$

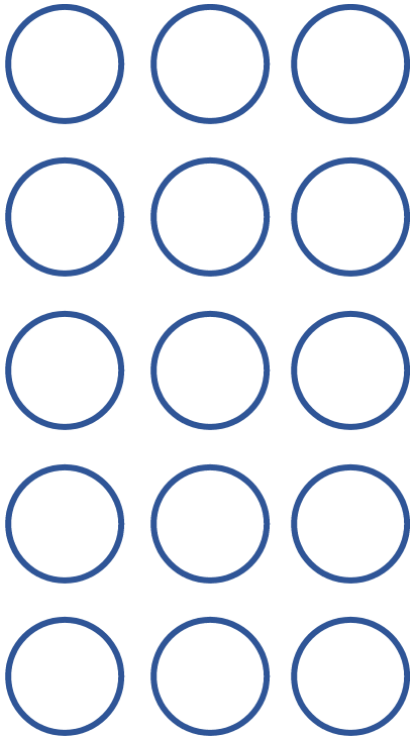
YOUR TURN

Have a go at questions 1 - 4 on the worksheet

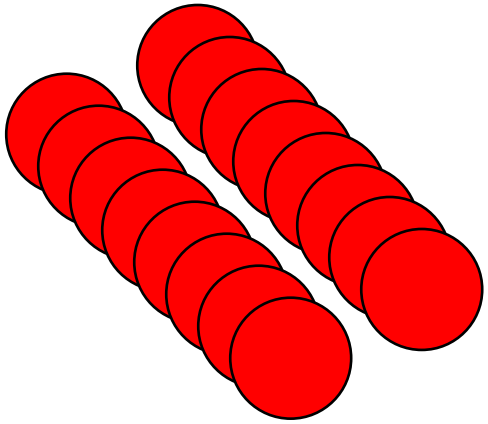
White Rose Maths

Draw an array to represent 5×3



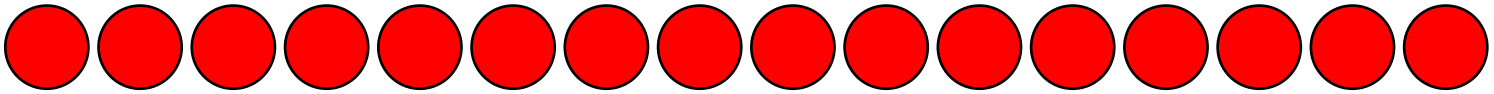


Have a think



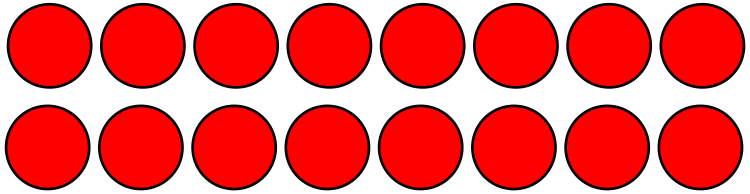
How many different arrays can you build with 16 counters?

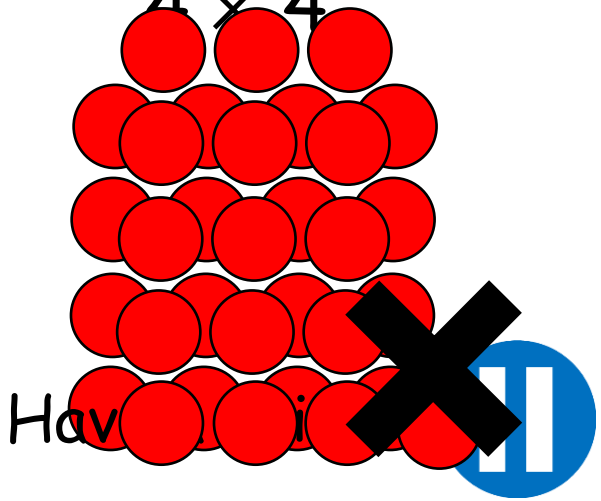
1×16 16×1

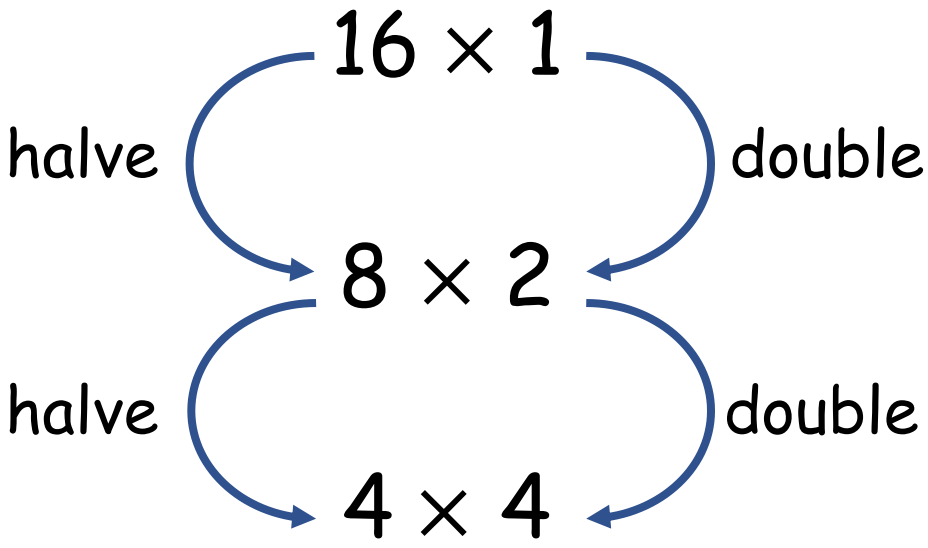


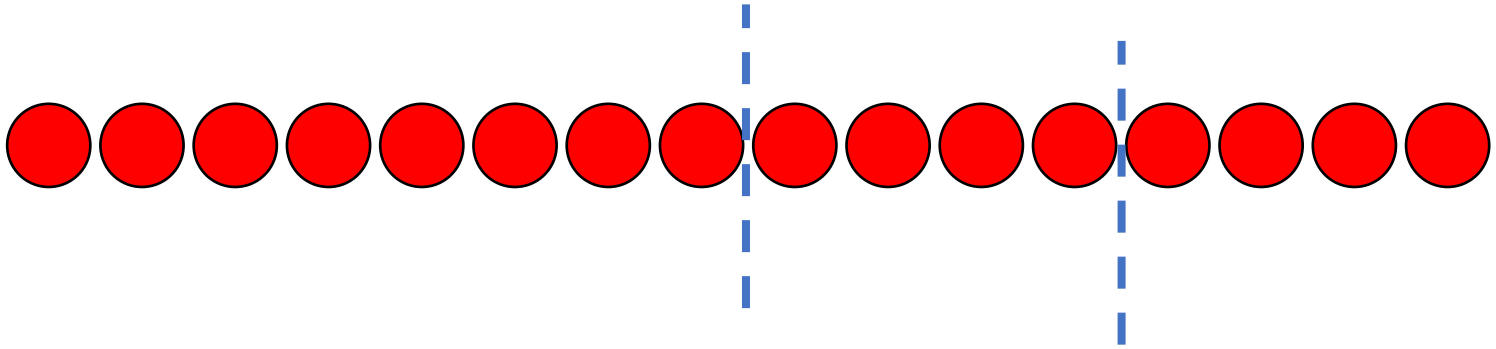
4×4

2×8 8×2



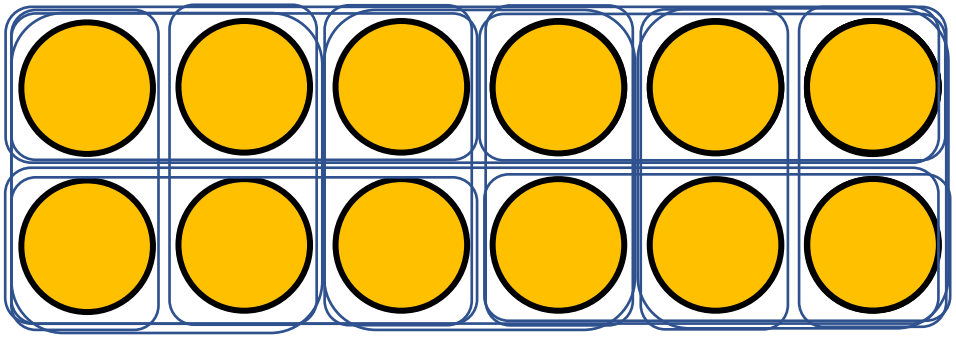


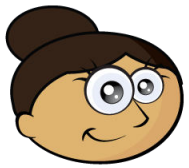

16 × 1
halve
double
8 × 2
halve
double
4 × 4



What do you see?

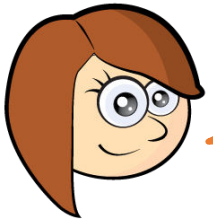
Have a think





I see 2 × 6

I see 6 × 2



I see 3 × 4 and 4 × 3

I see one 12 and twelve 1s

YOUR TURN

Have a go at the rest of the questions on the worksheet

White Rose Maths