

# Varied Fluency

## Step 6: Use Arrays

### National Curriculum Objectives:

Mathematics Year 2: (2C6) [Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers](#)

Mathematics Year 2: (2C7) [Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication \( \$\times\$ \), division \( \$\div\$ \) and equals \(=\) signs](#)

Mathematics Year 2: (2C8) [Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts](#)

Mathematics Year 2: (2C9b) [Show that multiplication of two numbers can be done in any order \(commutative\) and division of one number by another cannot](#)

### Differentiation:

**Developing** Questions to support using arrays to solve multiplication facts from the 2 and 10 times table.

**Expected** Questions to support using arrays to solve multiplication facts from the 2, 5 and 10 times table.

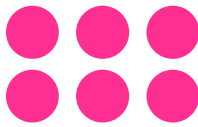
**Greater Depth** Questions to support using arrays to solve multiplication facts from the 2, 5 and 10 times table and make deductions from outside known multiplication facts. E.g. If I know  $2 \times 6 = 12$  then  $4 \times 6 = 24$ .

[More resources](#) which follow the same small steps as White Rose.

Did you like this resource? Don't forget to [review](#) it on our website.

## Use Arrays

1a. Circle the correct calculation to match the array.



$3 \times 3$

$2 \times 2$

$2 \times 3$



VF

## Use Arrays

1b. Circle the correct calculation to match the array.



$1 \times 5$

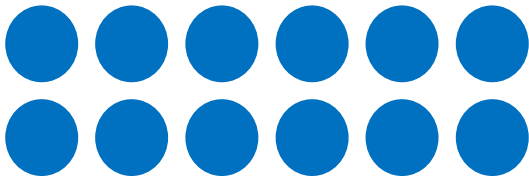
$5 \times 2$

$2 \times 5$



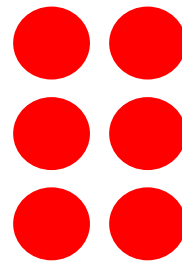
VF

2a. True or false? The array below shows  $2 \times 5$ .



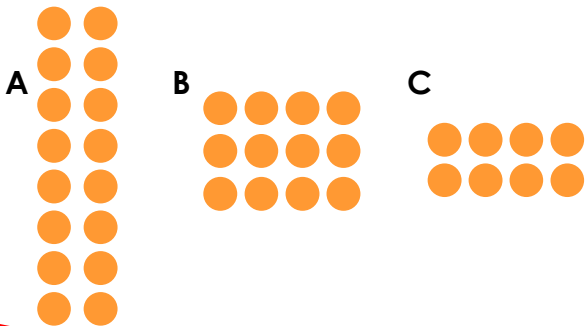
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2b. True or false? The array below shows  $3 \times 2$ .



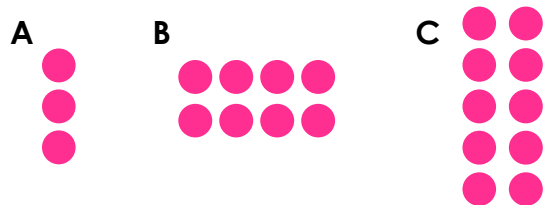
VF

3a. Circle the array that shows 8 lots of 2.



VF

3b. Circle the array that shows 2 lots of 4.



VF

4a. Complete the number sentences to match the array.



$\times$   =   $\times$

lots of  =  lots of



VF

4b. Complete the number sentences to match the array.



$\times$   =   $\times$

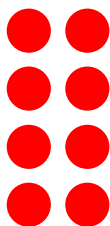
lots of  =  lots of



VF

## Use Arrays

5a. Circle the correct calculation to match the array.



$4 \times 2$

$2 \times 2$

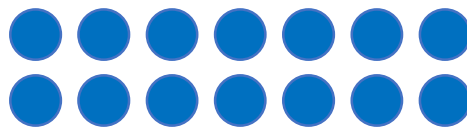
$3 \times 2$



VF

## Use Arrays

5b. Circle the correct calculation to match the array.



$3 \times 7$

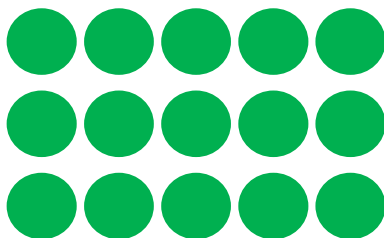
$2 \times 5$

$2 \times 7$



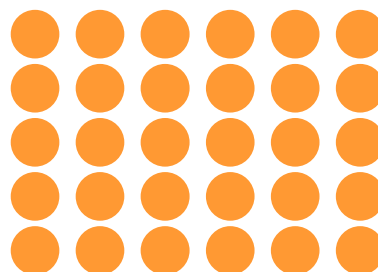
VF

6a. True or false? The array below shows  $2 \times 5$ .



VF

6b. True or false? The array below shows  $5 \times 5$ .



VF

7a. Circle the array that shows 3 lots of 5.

A



B



C



VF

7b. Circle the array that shows 4 lots of 2.

A



B



C



VF

8a. Complete the number sentences to match the array.



$\times$   =   $\times$

lots of  =  lots of



VF

8b. Complete the number sentences to match the array.



$\times$   =   $\times$

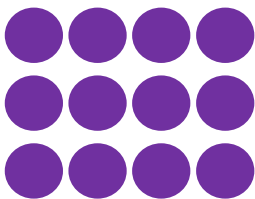
lots of  =  lots of



VF

## Use Arrays

9a. Circle the correct calculation to match the array.



$2 \times 4$

$3 \times 4$

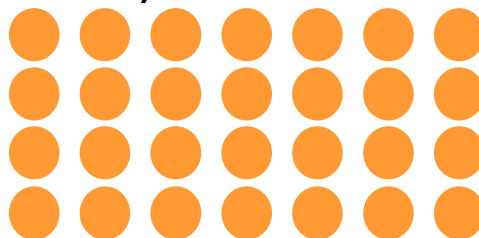
$3 \times 3$



VF

## Use Arrays

9b. Circle the correct calculation to match the array.



$4 \times 7$

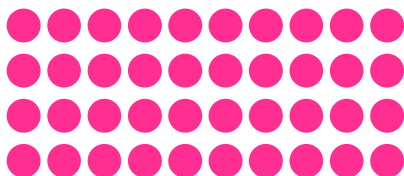
$4 \times 5$

$6 \times 4$



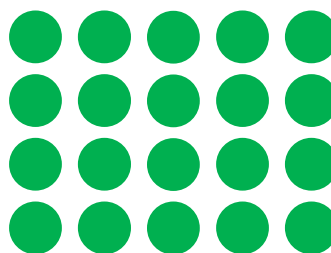
VF

10a. True or false? The array below shows  $4 \times 10$ .



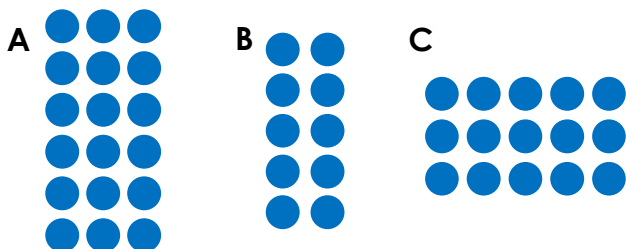
VF

10b. True or false? The array below shows  $5 \times 5$ .



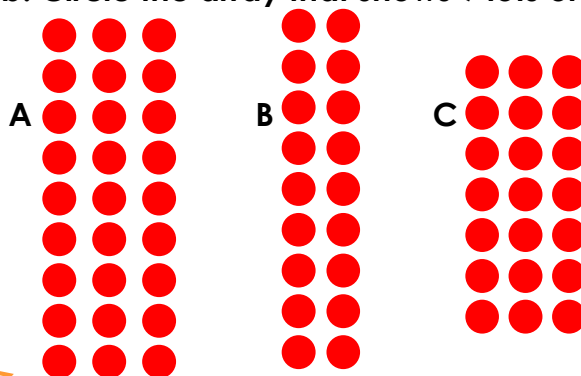
VF

11a. Circle the array that shows 6 lots of 3.



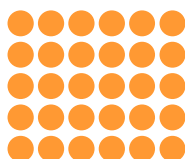
VF

11b. Circle the array that shows 9 lots of 3.



VF

12a. Complete the number sentences to match the array.



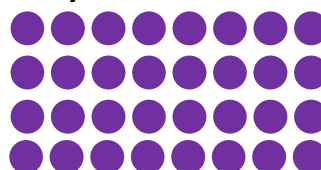
$\times$   =   $\times$

lots of  =  lots of



VF

12b. Complete the number sentences to match the array.



$\times$   =   $\times$

lots of  =  lots of



VF

**Varied Fluency**  
**Use Arrays**

**Developing**

- 1a.  $2 \times 3$   
2a. False, it shows  $2 \times 6$   
3a. A  
4a.  $2 \times 5 = 5 \times 2$ , 2 lots of 5 = 5 lots of 2

**Expected**

- 5a.  $4 \times 2$   
6a. False, it shows  $3 \times 5$   
7a. B  
8a.  $3 \times 10 = 10 \times 3$ , 3 lots of 10 = 10 lots of 3

**Greater Depth**

- 9a.  $3 \times 4$   
10a. True  
11a. A  
12a.  $5 \times 6 = 6 \times 5$ , 5 lots of 6 = 6 lots of 5

**Varied Fluency**  
**Use Arrays**

**Developing**

- 1b.  $1 \times 5$   
2b. True  
3b. B  
4b.  $2 \times 10 = 10 \times 2$ , 2 lots of 10 = 10 lots of 2

**Expected**

- 5b.  $2 \times 7$   
6b. False, it shows  $5 \times 6$   
7b. C  
8b.  $2 \times 8 = 8 \times 2$ , 2 lots of 8 = 8 lots of 2

**Greater Depth**

- 9b.  $4 \times 7$   
10b. False, it shows  $4 \times 5$   
11b. A  
12b.  $4 \times 8 = 8 \times 4$ , 4 lots of 8 = 8 lots of 4