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 (×), division (÷) 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. All arrays presented within a grid format.
Expected Questions to support using arrays to solve multiplication facts.
Greater Depth Questions to support using arrays to solve multiplication facts and make deductions from outside known multiplication facts. E.g. If I know 2 x 6 = 12 then 4 x 6 = 24.

More Year 2 Multiplication and Division resources.

Did you like this resource? Don't forget to review it on our website.

Use Arrays

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

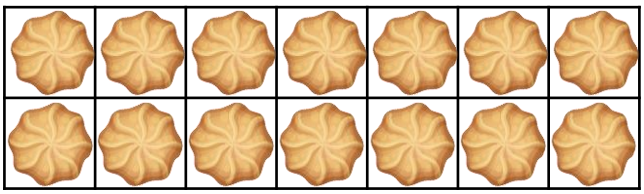
A. 3 x 4 ☐

B. 5 x 3 ☐

C. 4 x 5 ☐

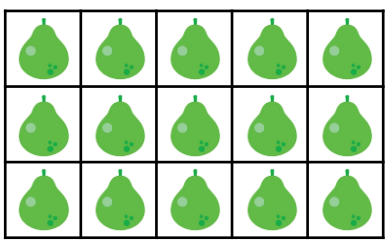
D VF

2a. True or false? The array below shows 6 x 2.



D VF

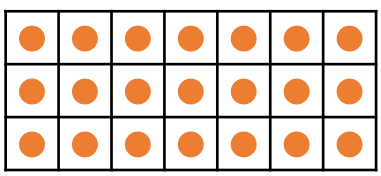
3a. Circle the two calculations that match the array below.



A. 3 x 5 B. 5 x 3 C. 3 x 6

D VF

4a. Use the array to complete the calculations below.

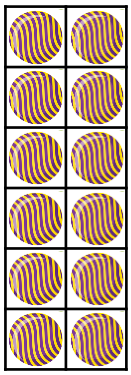


☐ x ☐ = ☐ x ☐

D VF

Use Arrays

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



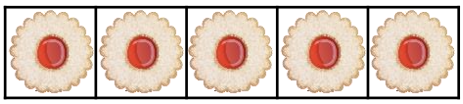
A. 6 x 2 ☐

B. 2 x 7 ☐

C. 7 x 3 ☐

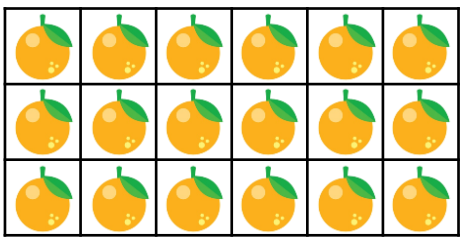
D VF

2b. True or false? The array below shows 5 x 1.



D VF

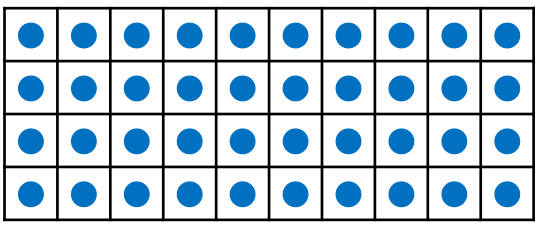
3b. Circle the two calculations that match the array below.



A. 6 x 3 B. 4 x 6 C. 3 x 6

D VF

4b. Use the array to complete the calculations below.



☐ x ☐ = ☐ x ☐

D VF

Use Arrays

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

A. 4 x 2 ☐

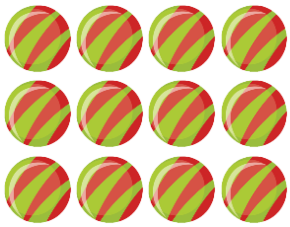
B. 2 x 2 ☐

C. 3 x 2 ☐

VF

Use Arrays

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



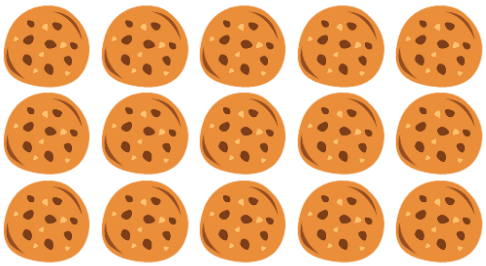
A. 3 x 3 ☐

B. 3 x 2 ☐

C. 4 x 3 ☐

VF

6a. True or false? The array below shows 3 x 5.

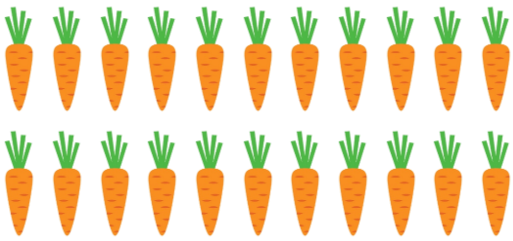


VF

6b. True or false? The array below shows 10 x 4.

VF

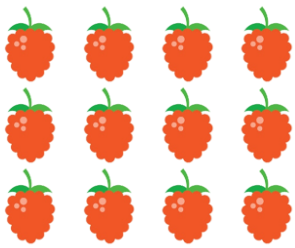
7a. Circle the two calculations that match the array below.



A. 10 x 3 B. 2 x 11 C. 11 x 2

VF

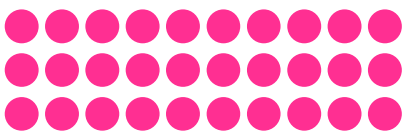
7b. Circle the two calculations that match the array below.



A. 4 x 3 B. 4 x 2 C. 3 x 4

VF

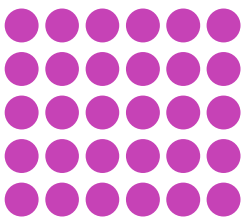
8a. Use the array to complete the calculations below.



☐ x ☐ = ☐ x ☐

VF

8b. Use the array to complete the calculations below.



☐ x ☐ = ☐ x ☐

VF

Use Arrays

9a. If array A shows 2 x 3, tick the calculation that matches array B.

A. 

B. 

A. 4 x 3 ☐

B. 2 x 6 ☐

C. 4 x 6 ☐

GD

VF

Use Arrays

9b. If array A shows 2 x 2, tick the calculation that matches array B.

A. 

B. 

A. 2 x 4 ☐

B. 4 x 2 ☐

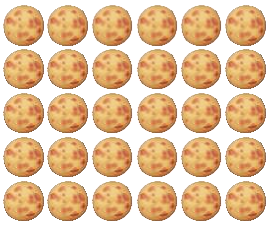
C. 4 x 4 ☐

GD

VF

10a. True or false? If array A shows 15, then array B shows 30.

A. 

B. 

GD

VF

10b. True or false? If array A shows 12, then array B shows 26.

A. 

B. 

GD

VF

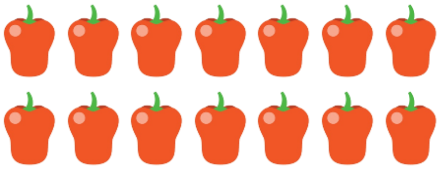
11a. The array below shows 5 x 3 = 15. Use your knowledge of multiplication fact to find two other calculations this array can solve.

A. 6 x 5 B. 10 x 4 C. 5 + 5 + 5

GD

VF

11b. The array below shows 2 x 7 = 14. Use your knowledge of multiplication fact to find two other calculations this array can solve.



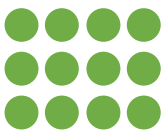
A. 4 x 7 B. 7 + 7 C. 3 x 8

GD

VF

12a. Use the arrays to complete the calculations below.

2 x 3 = 3 x 2



☐ x ☐ = ☐ x ☐

GD

VF

12b. Use the arrays to complete the calculations below.

2 x 8 = 8 x 2

☐ x ☐ = ☐ x ☐

GD

VF

Varied Fluency
Use Arrays

Developing

1a. C
2a. False, the array shows 7 x 2 or 2 x 7.
3a. A, B
4a. 7 x 3 = 3 x 7

Expected

5a. A
6a. True
7a. B, C
8a. 3 x 10 = 10 x 3

Greater Depth

9a. B
10a. True
11a. A, C
12a. 4 x 3 = 3 x 4

Varied Fluency
Use Arrays

Developing

1b. A
2b. True
3b. A, C
4b. 10 x 4 = 4 x 10

Expected

5b. C
6b. False, the array shows 8 x 4 or 4 x 8.
7b. A, C
8b. 5 x 6 = 6 x 5

Greater Depth

9b. C
10b. False, array B shows 24.
11b. A, B
12b. 4 x 8 = 8 x 4