Homework/Extension
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:

Questions 1, 4 and 7 (Varied Fluency)
Developing Match the array to the commutative calculations. Arrays used to solve multiplications, all arrays presented within a grid format.
Expected Match the array to the commutative calculations. Arrays used to solve multiplications.
Greater Depth Match the array to the related multiplication and addition facts. Arrays used to solve multiplications and make deductions from outside known multiplication facts.

Questions 2, 5 and 8 (Varied Fluency)
Developing Identify an array that matches a given clue. Arrays used to solve multiplications, all arrays presented within a grid format.
Expected Identify an array that matches a given clue. Arrays used to solve multiplications.
Greater Depth Identify an array that matches a given clue. Arrays used to solve multiplications and make deductions from outside known multiplication facts.

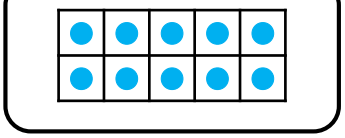
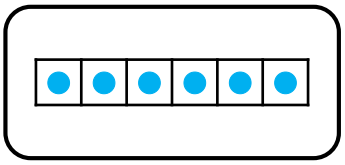
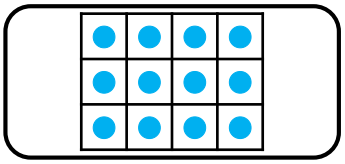
Questions 3, 6 and 9 (Reasoning and Problem Solving)
Developing Identify possible multiplications using a given clue. Arrays used to solve multiplications, all arrays presented within a grid format.
Expected Identify possible multiplications using a given clue. Arrays used to solve multiplications.
Greater Depth Identify possible arrays using the given clues. Arrays used to solve multiplications and make deductions from outside known multiplication facts.

More Year 2 Multiplication and Division resources.

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

Use Arrays

1. Match the arrays to the commutative calculations.

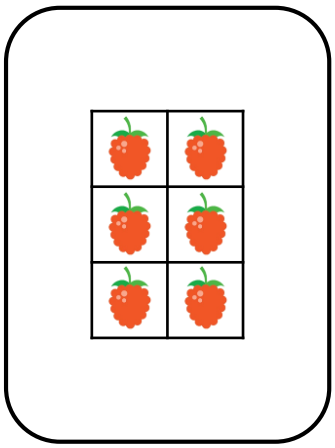
1 x 6		4 x 3
3 x 4		5 x 2
2 x 5		6 x 1

D

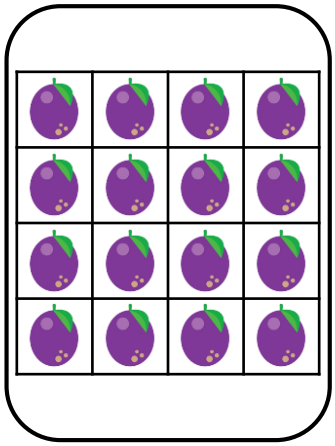
VF
HW/Ext

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

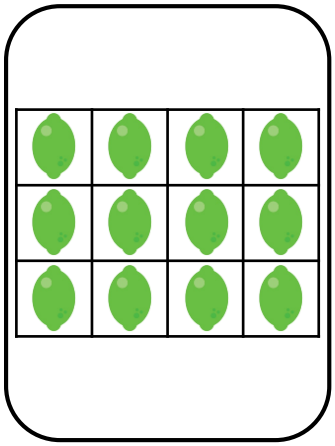
A.



B.



C.



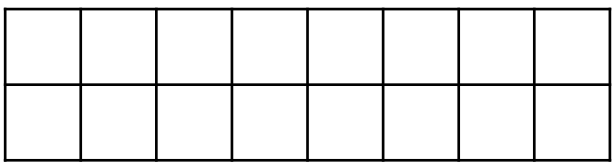
D

VF
HW/Ext

3. Jay is describing an array to his friend.

He says,

My array has 16 counters and has 2 rows.



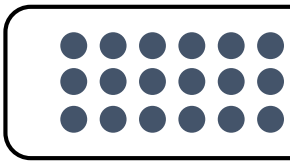
What multiplications might Jay be solving? Give 2 examples.

D

RPS
HW/Ext

Use Arrays

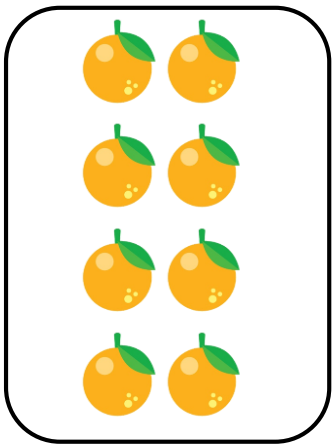
4. Match the arrays to the commutative calculations.

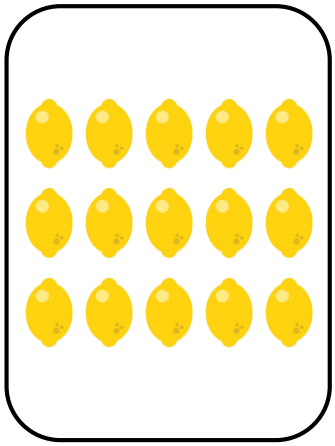
6 x 3		3 x 6
2 x 4		1 x 5
5 x 1		4 x 2

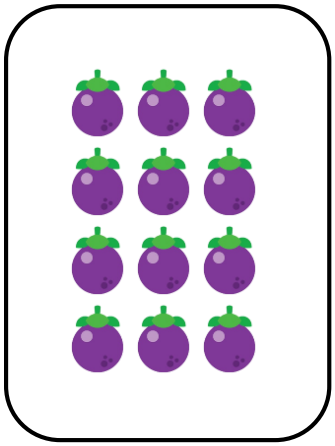
E

VF
HW/Ext

5. Circle the array that shows 3 lots of 5 and 5 lots of 3.

A. 

B. 

C. 

E

VF
HW/Ext

6. Asha is describing an array to her friend.

She says,

My array has 18 counters.

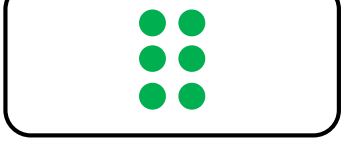
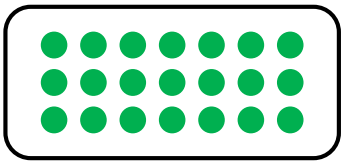
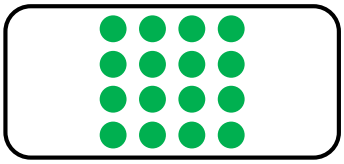
What multiplications might Asha be solving? Give 3 examples.

E

RPS
HW/Ext

Use Arrays

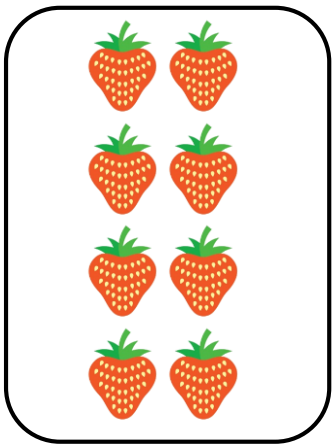
7. Match the arrays to the related multiplication or addition facts.

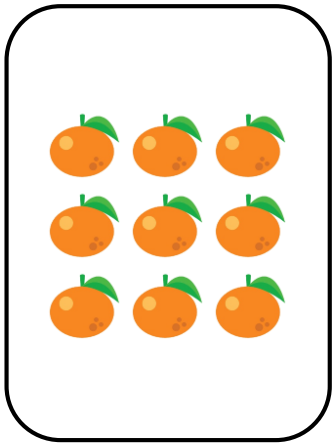
4 x 4		6 x 7
3 x 2		2 + 2 + 2
7 x 3		4 lots of 4

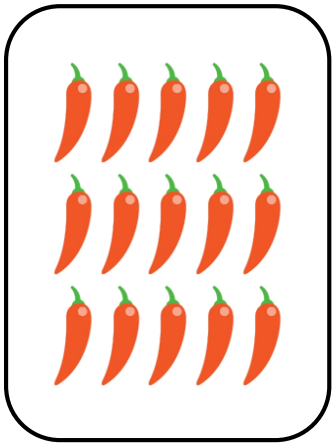
GD

VF
HW/Ext

8. Circle the array that could help to find 6 x 5 or 5 x 6.

A. 

B. 

C. 

GD

VF
HW/Ext

9. Thomas is describing an array to his friend.

He says,

My array is more than 3 x 5 and less than 4 x 7.

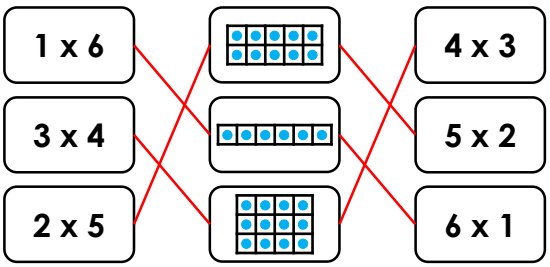
What array might Thomas be describing? Give 3 examples.

GD

RPS
HW/Ext

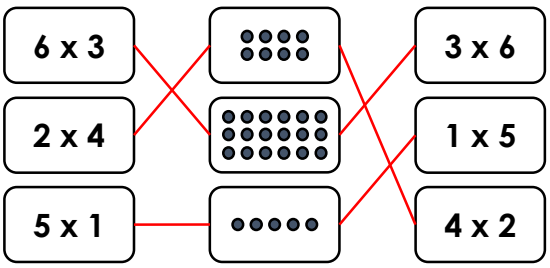
Homework/Extension
Use Arrays

Developing

1. 

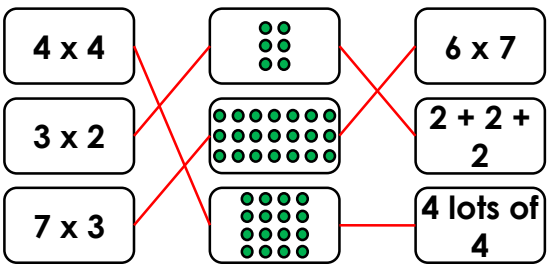
2. C
3. 8 x 2 or 2 x 8

Expected

4. 

5. B
6. Various answers, for example: 3 x 6, 6 x 3, 2 x 9

Greater Depth

7. 

8. C
9. Various answers, for example: 3 x 6, 4 x 4, 6 x 4