

Varied Fluency

Step 5: Multiplication from Pictures

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

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](#)

Differentiation:

Developing Questions to support making multiplication sentences from pictures using two equal groups of 5 or less.

Expected Questions to support making multiplication sentences from pictures using two equal groups of 12 or less and three equal groups of 5 or less.

Greater Depth Questions to support making multiplication sentences from pictures using three equal groups of 12 or less where some images represent more than 1. Some questions to include commutative law.

More [Year 2 Multiplication and Division](#) resources.

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

Multiplication from Pictures

1a. Match each calculation to the correct picture.



$$2 \times 2 = 4$$

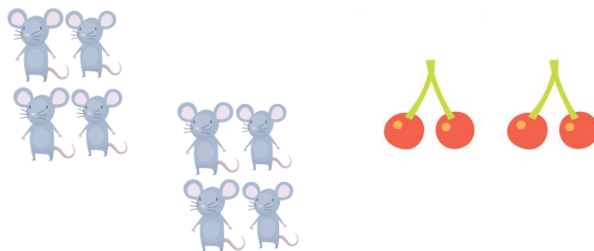
$$2 \times 3 = 6$$



VF

Multiplication from Pictures

1b. Match each calculation to the correct picture.



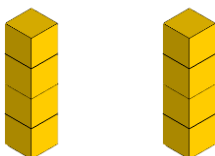
$$2 \times 2 = 4$$

$$2 \times 4 = 8$$



VF

2a. Complete the calculation to match the drawing.

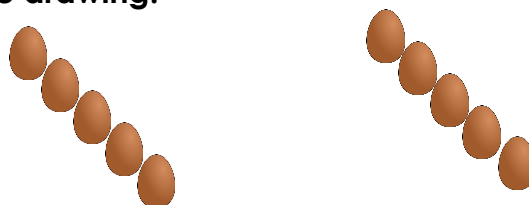


$$2 \times 4 = \square$$



VF

2b. Complete the calculation to match the drawing.



$$2 \times 5 = \square$$



VF

3a. How much money is there altogether?



VF

3b. How much money is there altogether?



VF

4a. Complete the equal groups to match the calculation.

$$2 \times 5 = 10$$



VF

4b. Complete the equal groups to match the calculation.

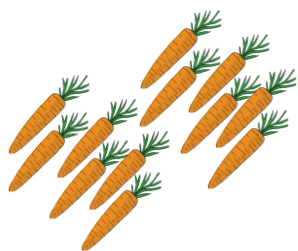
$$2 \times 4 = 8$$



VF

Multiplication from Pictures

5a. Match each calculation to the correct picture.



$$2 \times 6 = 12$$

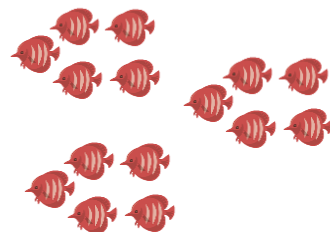
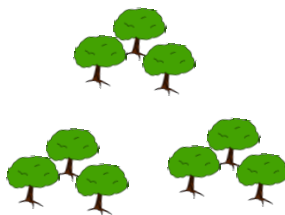
$$4 \times 3 = 12$$



VF

Multiplication from Pictures

5b. Match each calculation to the correct picture.



$$5 \times 3 = 15$$

$$3 \times 3 = 9$$



VF

6a. Complete the calculation to match the drawing.

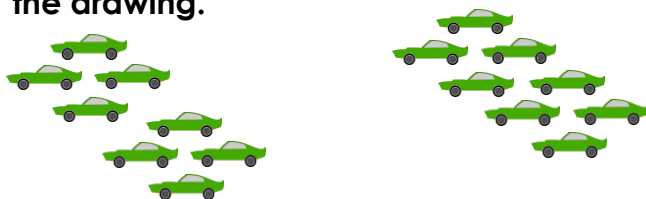


$$3 \times 3 = \square$$



VF

6b. Complete the calculation to match the drawing.



$$2 \times 8 = \square$$



VF

7a. How much money is there altogether?



VF

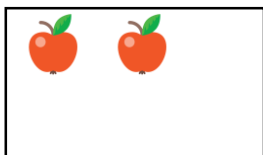
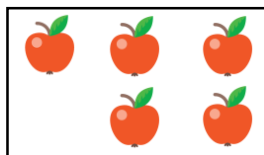
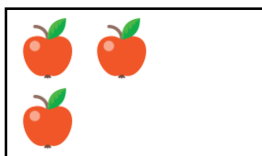
7b. How much money is there altogether?



VF

8a. Complete the equal groups to match the calculation.

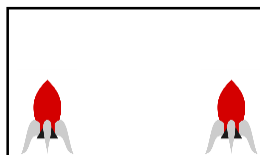
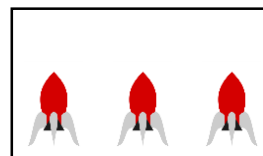
$$3 \times 6 = 18$$



VF

8b. Complete the equal groups to match the calculation.

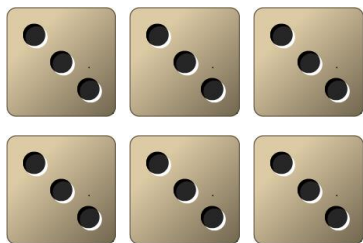
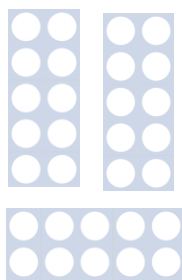
$$7 \times 3 = 21$$



VF

Multiplication from Pictures

Match each calculation to the correct picture.



$$10 \times 3 = 30$$

$$3 \times 6 = 18$$



VF

Multiplication from Pictures

9b. Match each calculation to the correct picture.



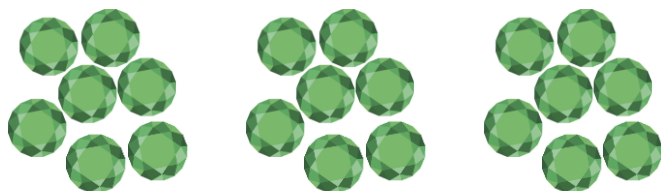
$$3 \times 9 = 27$$

$$5 \times 3 = 15$$



VF

10a. Complete the calculation to match the drawing.

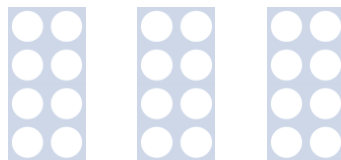


$$7 \times 3 = \square$$



VF

10B. Complete the calculation to match the drawing.



$$8 \times 3 = \square$$



VF

11a. How much money is there altogether?



VF

11b. How much money is there altogether?



VF

12a. Draw equal groups to match each calculation.

$$3 \times 9 = 27$$

$$9 \times 3 = 27$$



VF

12b. Draw equal groups to match each calculation.

$$3 \times 11 = 33$$

$$11 \times 3 = 33$$



VF

Varied Fluency Multiplication from Pictures

Developing

- 1a. $2 \times 2 = 4$ teddies, $2 \times 3 = 6$ socks
- 2a. 8
- 3a. 16p
- 4a. There should be 5 strawberries in each box.

Expected

- 5a. $2 \times 6 = 12$ carrots, $4 \times 3 = 12$ bottles
- 6a. 9
- 7a. 12p
- 8a. There should be 6 apples in each box.

Greater Depth

- 9a. $10 \times 3 = 30$ Numicon, $3 \times 6 = 18$ dots on the dice.
- 10a. 21
- 11a. 36p
- 12a. Children should draw equal groups to match the calculations using any images. 3 lots of 9 and 9 lots of 3.

Varied Fluency Multiplication from Pictures

Developing

- 1b. $2 \times 2 = 4$ cherries, $2 \times 4 = 8$ mice
- 2b. 10
- 3b. 6p
- 4b. There should be 4 pears in each group.

Expected

- 5b. $3 \times 3 = 9$ trees, $5 \times 3 = 15$ fish
- 6b. 16
- 7b. 15p
- 8b. There should be 7 rockets in each box.

Greater Depth

- 9b. $3 \times 9 = 27$ rabbits, $5 \times 3 = 15$ leaves
- 10b. 24
- 11b. 30p
- 12b. Children should two draw equal groups to match the calculations using any images. 11 lots of 3 and 3 lots of 11.