



**Year 3**  
**Maths**  
**10.11.2020**



# Lesson Aims

- LO: I can use arrays to help solve a multiplication number sentence.
- SC: I can read a multiplication number sentence.
- I can use my knowledge of times tables to help me.
- I can draw the correct number of rows/columns.
- I can show that multiplication can be done in any order.



# Fluency Starter

- Sort these words into the correct group

**X**

**÷**

repeated addition

divide by

multiply

times

share

group

lots of

gets bigger

gets smaller



# Fluency Starter answer

- Sort these words into the correct group

**X**

÷

repeated addition

divide by

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# Main Teaching

- Yesterday we started looking at arrays.
- What can you remember?
- They can be used to help us find out multiplication and division number sentences.



# Fluency

- Choose your level

Draw an array for this number sentence? Write the four number sentences that go with it.

mild



$$9 \times 2 =$$

hot



$$8 \times 3 =$$

spicy



$$7 \times 7 =$$



# Fluency answers

- Choose your level

Draw an array for this number sentence? Write the four number sentences that go with it.



$$9 \times 2 =$$



$$8 \times 3 =$$



$$7 \times 7 =$$

- $9 \times 2 = 18$
- $2 \times 9 = 18$
- $18 \div 9 = 2$
- $18 \div 2 = 9$

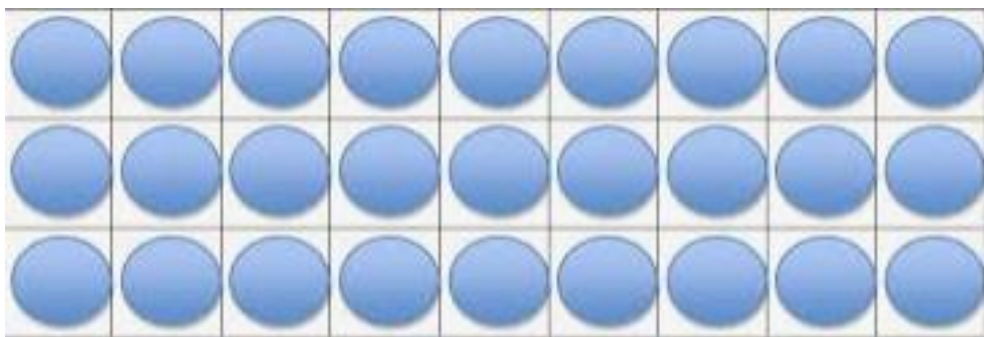
- $8 \times 3 = 24$
- $3 \times 8 = 24$
- $24 \div 8 = 3$
- $24 \div 3 = 8$

- $7 \times 7 = 49$
- $7 \times 7 = 49$
- $49 \div 7 = 7$
- $49 \div 7 = 7$



# Fluency

- How could you use an array to solve this problem?
- $3 \times \underline{\quad} = 27$
- Draw the array to help you, then write in the answer.



The answer is **9**  
because there are 3  
groups of 9.



# Problem solving

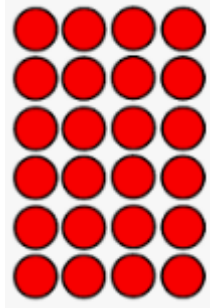
- Use an array to solve these problems.
- $4 \times \underline{\quad} = 24$
- $\underline{\quad} \times 8 = 24$



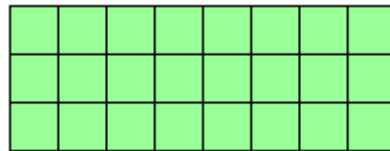
# Problem solving answers

- Use an array to solve these problems.

- $4 \times 6 = 24$



- $3 \times 8 = 24$





# Activity

- Complete the worksheet.
- An answer sheet is available with the worksheet.