

# Multiplication sentences using the × symbol

1 Complete the sentences.

a)

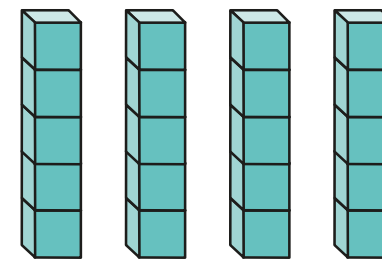


There are  equal groups with   
in each group.

$$\square + \square + \square = 18$$

$$\square \times \square = 18$$

b)



There are  equal groups with   
in each group.

$$\square + \square + \square + \square = 20$$

$$\square \times \square = 20$$

c)



There are  equal groups with   
in each group.

$$\square + \square = 8$$

$$\square \times \square = 8$$

2 Complete the table.

The first one has been done for you.

Addition	Multiplication
$2 + 2 + 2 + 2$	$4 \times 2$
$5 + 5 + 5$	
$3 + 3 + 3 + 3 + 3$	
	$2 \times 10$

3 Complete the pattern.

$$5 \times 2 = 5 + 5 = \boxed{\phantom{00}}$$

$$5 \times 3 = 5 + 5 + 5 = \boxed{\phantom{00}}$$

$$5 \times 4 = 5 + 5 + 5 + 5 = \boxed{\phantom{00}}$$

$$5 \times 5 = \underline{\hspace{2cm}} = \boxed{\phantom{00}}$$

What comes next?

4 The total is 16

What could the addition and multiplication be?

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5 Use counters to help you complete the number sentences.

a)  $3 \times \boxed{\phantom{00}} = 12$

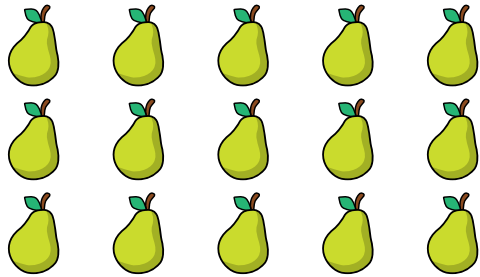
b)  $\boxed{\phantom{00}} \times 4 = 8$

c)  $2 \times \boxed{\phantom{00}} = 10$



# Use arrays

1 How many pears are there?



$$\square + \square + \square = \square$$

$$\square \times \square = \square$$

There are  pears.

2 How many stars are there?

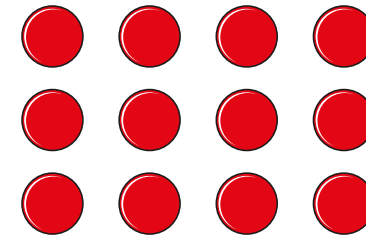


$$\square + \square = \square$$

$$\square \times \square = \square$$

There are  stars.

3 Write two additions and two multiplications for the array.



$$\square + \square + \square = \square$$

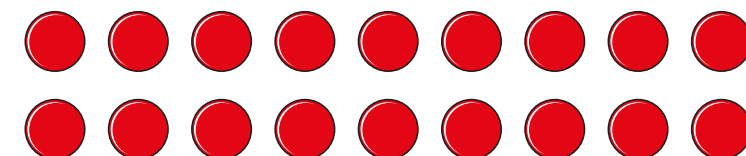
$$\square \times \square = \square$$

$$\square + \square + \square + \square = \square$$

$$\square \times \square = \square$$

What do you notice?

4 Write two multiplications for this array.



$$\square \times \square = \square$$

$$\square \times \square = \square$$

- 5 Draw an array to show  $7 \times 3$   
Complete the number sentence.

$$7 \times 3 = \boxed{\phantom{00}}$$

Is there more than one way to draw the array?

- 6 Draw three different arrays to show 12

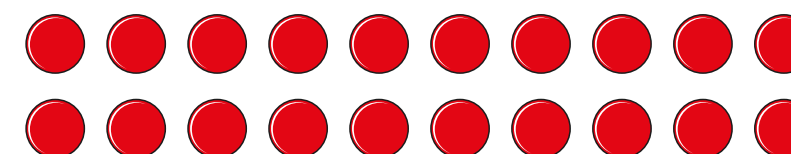


- 7 Draw dots to show each multiplication in two ways.

The first one has been done for you.

Multiplication	Array 1	Array 2
$3 \times 8$		
$2 \times 5$		
$4 \times 9$		
$6 \times 1$		

- 8 Can you see the multiplications  $5 \times 4$  and  $4 \times 5$  in the array?



Talk about it with a partner.

