Multiplication sentences using the × symbol

1 Complete the sentences.

a)

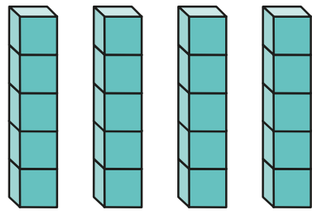
There are ☐ equal groups with ☐

in each group.

☐ + ☐ + ☐ = 18

☐ × ☐ = 18

b)



There are ☐ equal groups with ☐

in each group.

☐ + ☐ + ☐ + ☐ = 20

☐ × ☐ = 20

c)

There are ☐ equal groups with ☐

in each group.

☐ + ☐ = 8

☐ × ☐ = 8

2 Complete the table.

The first one has been done for you.

Addition	Multiplication
2 + 2 + 2 + 2	4 × 2
5 + 5 + 5	
3 + 3 + 3 + 3 + 3	
	2 × 10

3 Complete the pattern.

5 × 2 = 5 + 5 = ☐

5 × 3 = 5 + 5 + 5 = ☐

5 × 4 = 5 + 5 + 5 + 5 = ☐

5 × 5 = _____ = ☐

What comes next?

4 The total is 16

What could the addition and multiplication be?

_____

_____

5 Use counters to help you complete the number sentences.

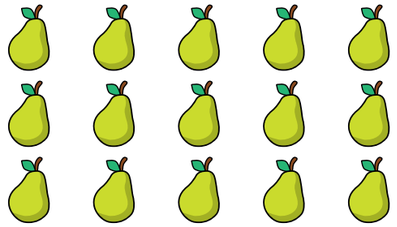
a) 3 × ☐ = 12

b) ☐ × 4 = 8

c) 2 × ☐ = 10

Use arrays

1 How many pears are there?



□ + □ + □ = □

□ × □ = □

There are □ pears.

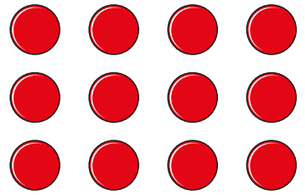
2 How many stars are there?

□ + □ = □

□ × □ = □

There are □ stars.

3 Write two additions and two multiplications for the array.



□ + □ + □ = □

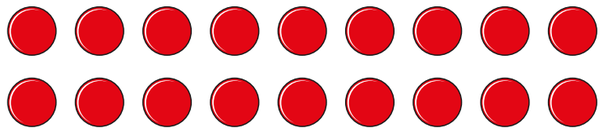
□ × □ = □

□ + □ + □ + □ = □

□ × □ = □

What do you notice?

4 Write two multiplications for this array.



□ × □ = □

□ × □ = □

5 Draw an array to show 7 × 3

Complete the number sentence.

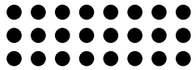
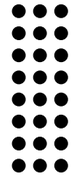
7 × 3 = ☐

Is there more than one way to draw the array?

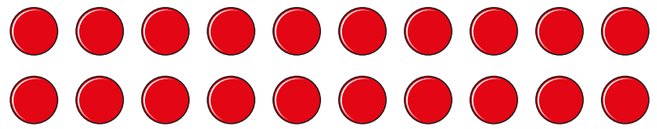
6 Draw three different arrays to show 12

7 Draw dots to show each multiplication in two ways.

The first one has been done for you.

Multiplication	Array 1	Array 2
3 × 8		
2 × 5		
4 × 9		
6 × 1		

8 Can you see the multiplications 5 × 4 and 4 × 5 in the array?



Talk about it with a partner.

The 2 times-table

1 Write a fact from the 2 times-table to match the picture.

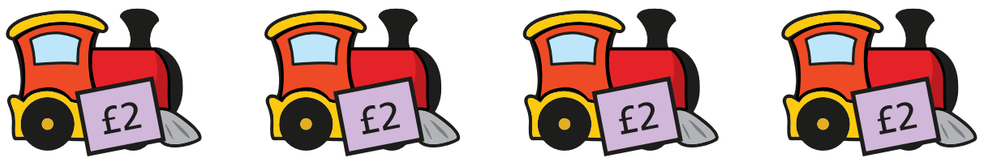
a)

□ × □ = □

b)

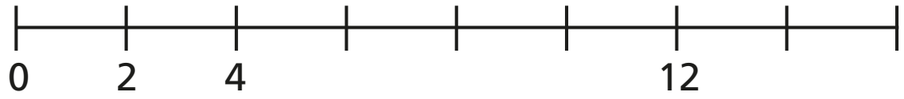
□ × □ = □

c)



□ × □ = □

2 **a)** Complete the number line.



b) Which times-table does the number line show?

Tick your answer.

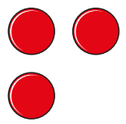
1 times-table 2 times-table

3 times-table

How do you know?

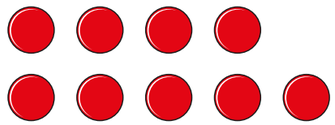
3 Complete the array and times-table fact so that they match.

a)



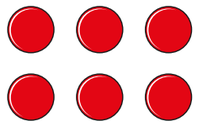
2 × 2 = □

b)



2 × 5 = □

c)



2 × □ = 8

4 Complete the number sentences.

a) $3 \times 2 = \square$

b) $\square = 9 \times 2$

c) $2 \times 5 = \square$

d) $2 \times \square = 4$

e) $12 = \square \times 2$

f) $\square = 12 \times 2$

g) $2 \times \square = 2$

h) $2 \times 0 = \square$

i) $14 = 2 \times \square$

j) $\square \times 2 = 22$

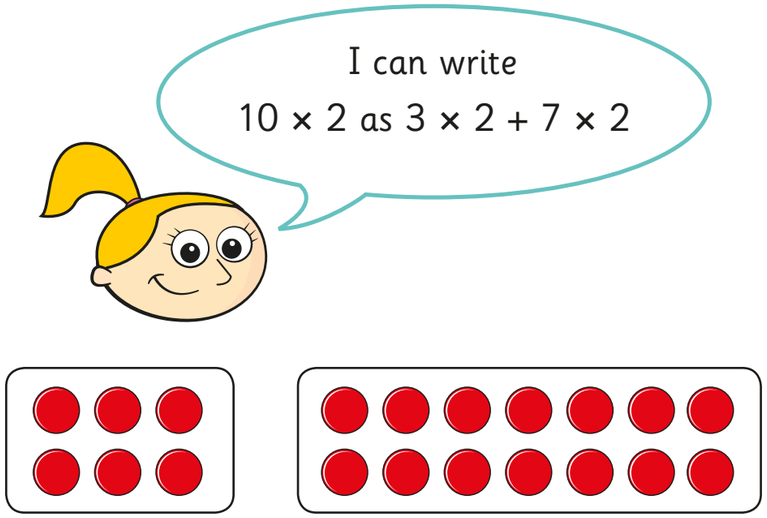
5 Teddy has £8

Rosie has twice as much money as Teddy.

How much money does Rosie have?

Rosie has £ ☐

6 Eva is writing 10×2 in different ways.



Find three more ways that you can write 10×2

Use counters to help you.

☐ × ☐ + ☐ × ☐

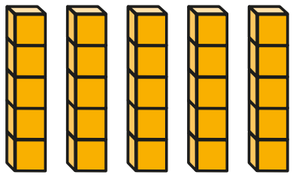
☐ × ☐ + ☐ × ☐

☐ × ☐ + ☐ × ☐

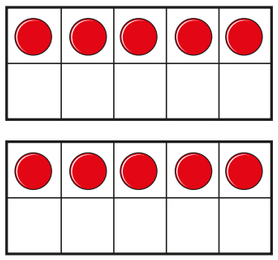
Compare answers with a partner.

The 5 times-table

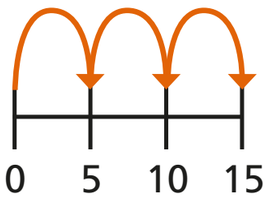
1 **a)** Match the picture to the times-table fact.



3 × 5



2 × 5

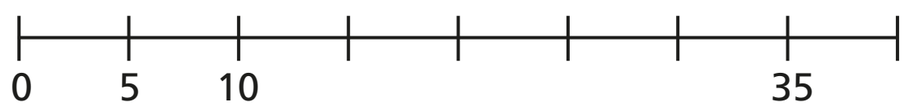


1 × 5

5 × 5

b) Draw a picture to show 4 × 5

2 **a)** Complete the number line.



b) Which times-table does the number line show?

Tick your answer.

1 times-table 2 times-table

5 times-table

How do you know?

3 Complete the number sentences.

a) $5 \times 5 =$ ☐

b) ☐ $= 9 \times 5$

c) $5 \times 6 =$ ☐

d) $5 \times$ ☐ $= 40$

e) $35 =$ ☐ $\times 5$

f) ☐ $= 11 \times 5$

g) $5 \times$ ☐ $= 5$

h) $5 \times 0 =$ ☐

i) $10 = 5 \times$ ☐

j) ☐ $\times 5 = 60$

4 How much money does Ron have?

Complete the multiplication.

☐ × ☐ = ☐

Ron has ☐ p.

5 Write <, > or = to compare the calculations.

7×5	◯	5×8
6×5	◯	$4 \times 5 + 2 \times 5$
2×5	◯	$3 \times 5 - 1 \times 5$
12×2	◯	2×12

6 A sandwich costs £2 and a box of crayons costs £5

Jack buys 5 sandwiches and 3 boxes of crayons.

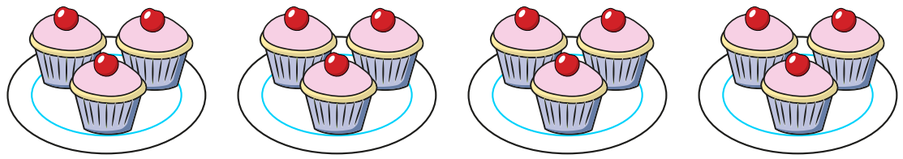
How much does he spend in total?

Jack spends £ ☐

Equal groups

1 Complete the sentences to describe the groups.

a)

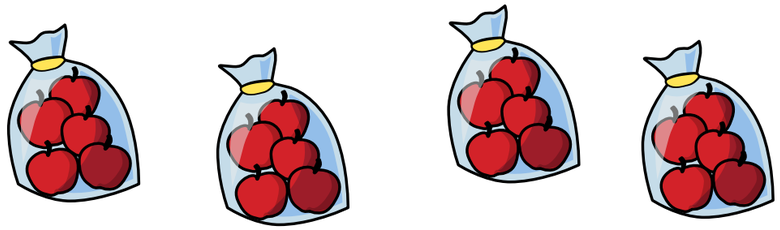


There are ☐ plates.

Each plate has ☐ cakes.

There are ☐ equal groups of ☐

b)



There are ☐ bags.

Each bag has ☐ apples.

There are ☐ equal groups of ☐

2 Kim has 6 equal groups of 5

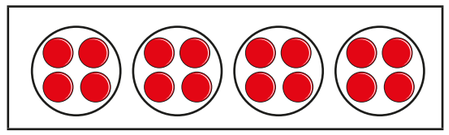
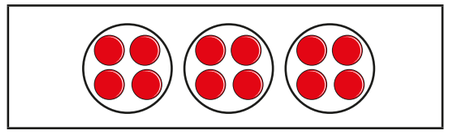
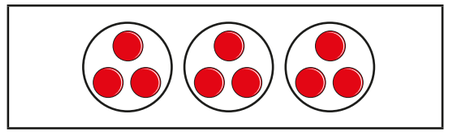
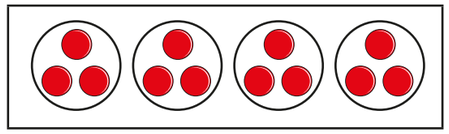
a) Use cubes to represent this.

b) Draw your cubes.

What could the cubes represent?

Talk about it with a partner.

3 Match the statements to the representations.

3 equal groups of 4	
3 equal groups of 3	
4 equal groups of 3	
4 equal groups of 4	

4

Arrange the coins into 3 equal groups.

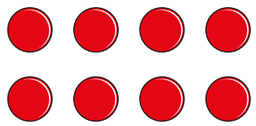
How many coins are there in each group? ☐

5 What would 5 equal groups of 0 look like?

Draw your answer.

What could the number story be?

6 Dani makes an array.



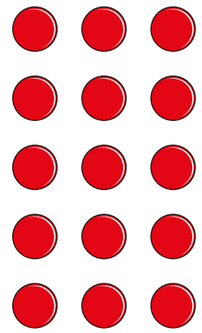
a) Circle 4 groups of 2

Do this in two different ways.

b) Circle 2 groups of 4

Do this in two different ways.

7 Filip has used counters to represent 5 equal groups of 3

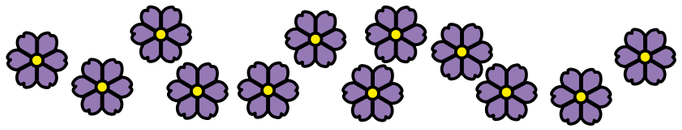


a) Draw more counters to represent 5 equal groups of 4

b) How many more counters did you draw? ☐

c) What do you notice?

8



a) How many ways can you arrange the flowers into equal groups?

b) How do you know you have found all the ways?