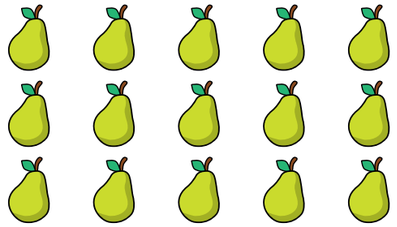
Use arrays

1 How many pears are there?



5 + 5 + 5 = 15

3 × 5 = 15

There are 15 pears.

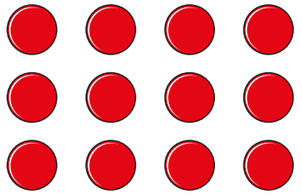
2 How many stars are there?

6 + 6 = 12

2 × 6 = 12

There are 12 stars.

3 Write two additions and two multiplications for the array.



4 + 4 + 4 = 12

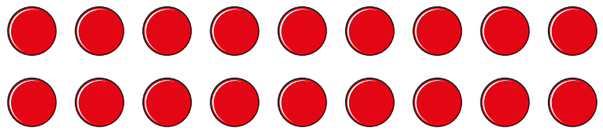
3 × 4 = 12

3 + 3 + 3 + 3 = 12

4 × 3 = 12

What do you notice?

4 Write two multiplications for this array.



2 × 9 = 18

9 × 2 = 18

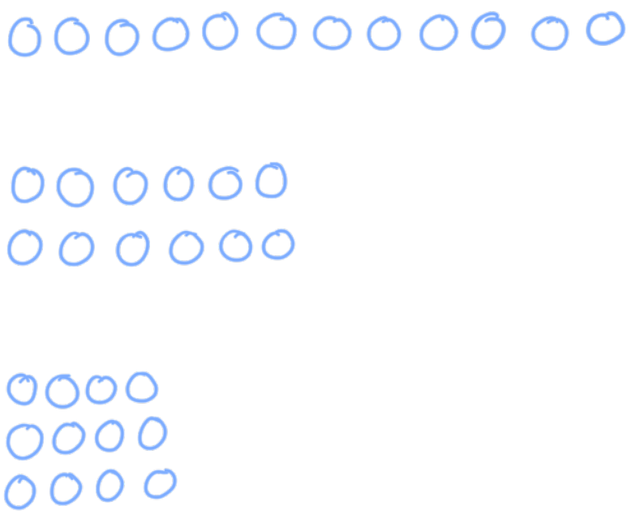
5 Draw an array to show 7 × 3

Complete the number sentence.

7 × 3 = 21

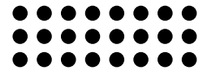
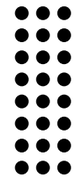
Is there more than one way to draw the array?

6 Draw three different arrays to show 12

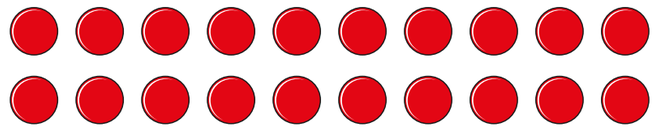


7 Draw dots to show each multiplication in two ways.

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?



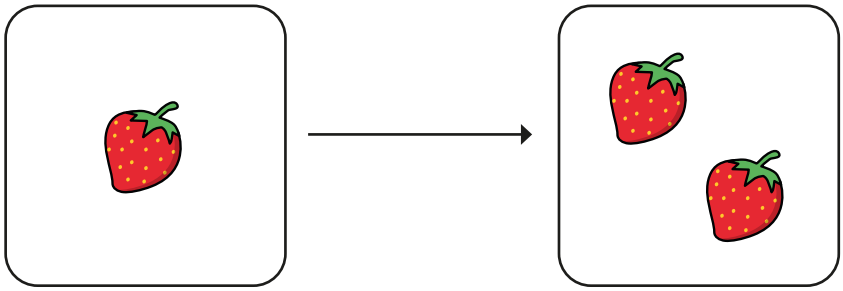
Talk about it with a partner.

Make doubles

1 Complete the sentences.

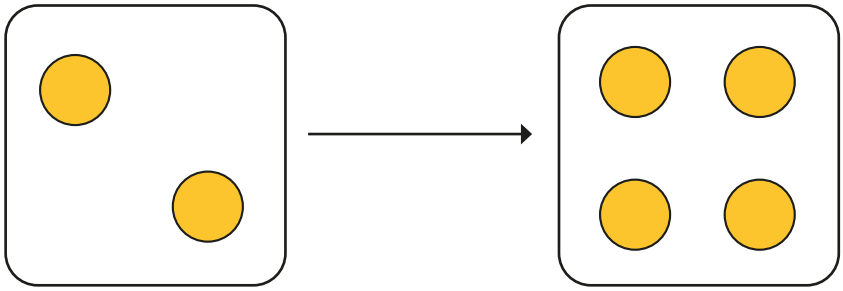
Use the pictures to help you.

a)



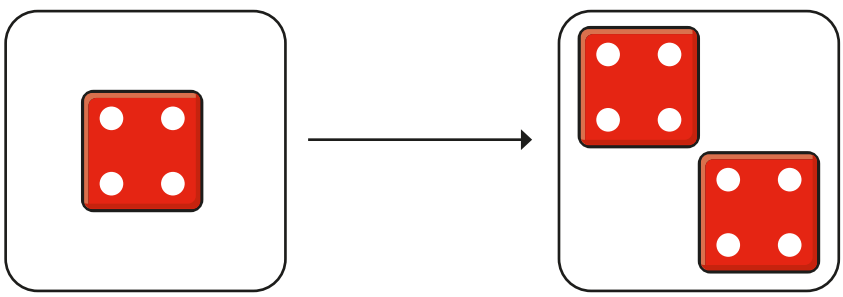
Double 1 is [2]

b)



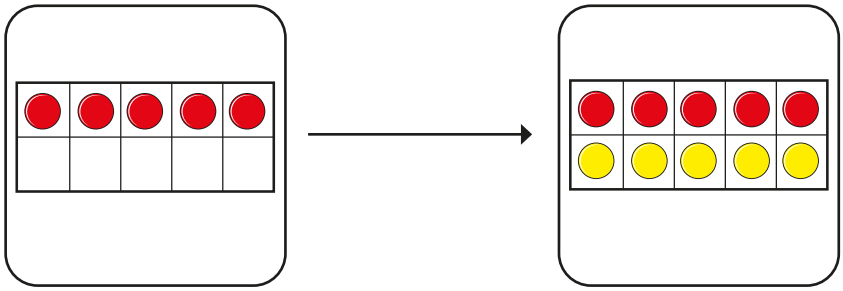
Double 2 is [4]

c)



Double [4] is [8]

d)



Double 5 is 10

2 Match the doubles to the additions.

Double 3	6 + 6
Double 6	7 + 7
Double 10	3 + 3
Double 7	10 + 10

3 Fill in the gaps.

a) Double 15 is 30

b) Double 11 is 22

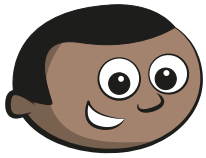
c) Double 12 is 24

d) Double 20 is 40

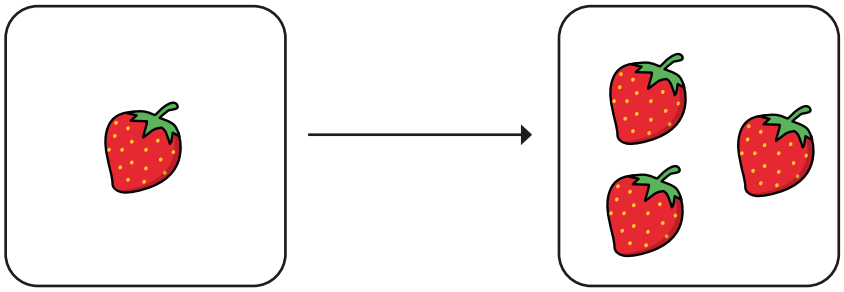
e) Double 4 is 8

f) Double 8 is 16

4



I have doubled the number of strawberries.



Do you agree with Mo? No

Talk about it with a partner.

The 2 times-table

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

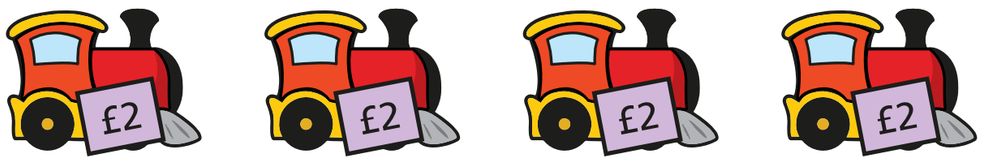
a)

$5 \times 2 = 10$

b)

$7 \times 2 = 14$

c)



$4 \times £2 = £8$

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

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

Tick your answer.

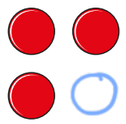
1 times-table 2 times-table ✓

3 times-table

How do you know?

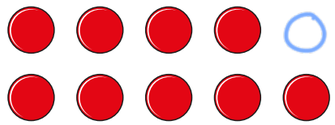
3 Complete the array and times-table fact so that they match.

a)



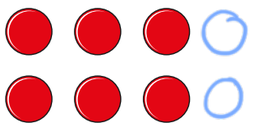
$2 \times 2 = 4$

b)



$2 \times 5 = 10$

c)



$2 \times 4 = 8$

4 Complete the number sentences.

a) $3 \times 2 = \boxed{6}$

b) $\boxed{18} = 9 \times 2$

c) $2 \times 5 = \boxed{10}$

d) $2 \times \boxed{2} = 4$

e) $12 = \boxed{6} \times 2$

f) $\boxed{24} = 12 \times 2$

g) $2 \times \boxed{1} = 2$

h) $2 \times 0 = \boxed{0}$

i) $14 = 2 \times \boxed{7}$

j) $\boxed{11} \times 2 = 22$

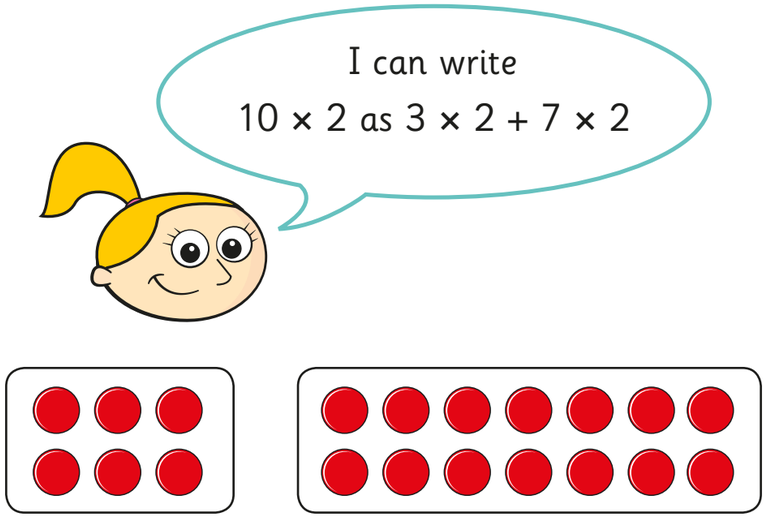
5 Teddy has £8

Rosie has twice as much money as Teddy.

How much money does Rosie have?

Rosie has £ 16

6 Eva is writing 10×2 in different ways.



Find three more ways that you can write 10×2

Use counters to help you.

$\boxed{1} \times \boxed{2} + \boxed{9} \times \boxed{2}$

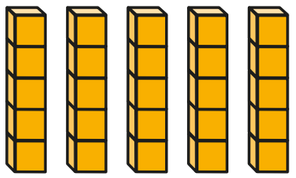
$\boxed{2} \times \boxed{2} + \boxed{8} \times \boxed{2}$

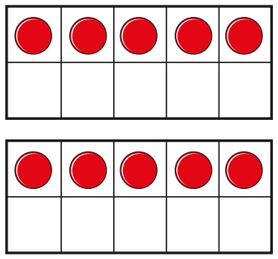
$\boxed{4} \times \boxed{2} + \boxed{6} \times \boxed{2}$

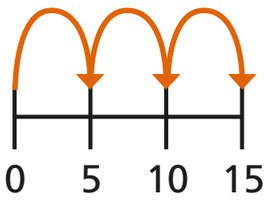
Compare answers with a partner.

The 5 times-table

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







3 × 5

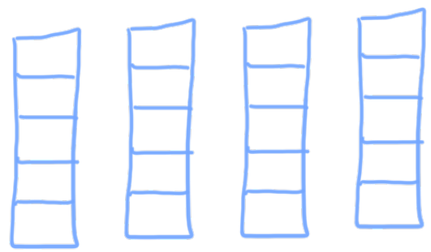
2 × 5

1 × 5

5 × 5

b) Draw a picture to show 4 × 5

Various answers e.g.



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) $5 \times 5 =$ 25

b) 45 $= 9 \times 5$

c) $5 \times 6 =$ 30

d) $5 \times$ 8 $= 40$

e) $35 =$ 7 $\times 5$

f) 55 $= 11 \times 5$

g) $5 \times$ 1 $= 5$

h) $5 \times 0 =$ 0

i) $10 = 5 \times$ 2

j) 12 $\times 5 = 60$

4 How much money does Ron have?

Complete the multiplication.

10 × 5p = 50p

Ron has 50 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 £ 25

The 10 times-table

1 How many cookies are there?

6 × 10 = 60

There are 60 cookies.

2 Complete the multiplication fact to match the bar model.

a)

40			
10	10	10	10

4 × 10 = 40

b)

70						
10	10	10	10	10	10	10

7 × 10 = 70

c)

100									
10	10	10	10	10	10	10	10	10	10

10 × 10 = 100

3 Draw a bar model to represent 5 × 10

50				
10	10	10	10	10

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

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

Tick your answer.

10 times-table ✓ 5 times-table 1 times-table

How do you know?

5 Complete the number sentences.

a) 2 × 10 = 20

b) 70 = 7 × 10

c) 10 × 4 = 40

d) 10 × 11 = 110

e) 80 = 8 × 10

f) 100 = 10 × 10

g) 10 × 1 = 10

h) 10 × 0 = 0

i) 30 = 10 × 3

j) 9 × 10 = 90

6 Eva is 7 years old.

Her gran is 10 times older.

How old is Eva's gran?

Eva's gran is 70 years old.

7 Four children each have some money.

Teddy has this money.

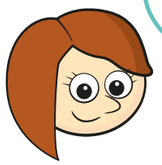
Dora

I have twice as much money as Teddy.

I have five times as much money as Teddy.

Jack

I have ten times as much money as Dora.



Rosie

How much money do they each have?

Teddy has 4 p

Dora has 8 p

Jack has 20 p

Rosie has 80 p