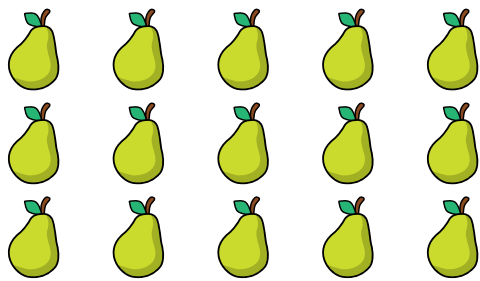


# Use arrays

1 How many pears are there?



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

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

There are  pears.

2 How many stars are there?

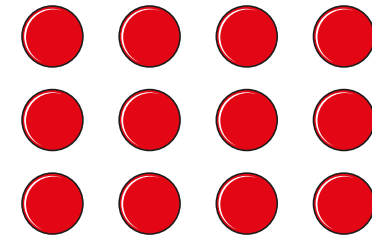


$$\square + \square = \square$$

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

There are  stars.

3 Write two additions and two multiplications for the array.



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

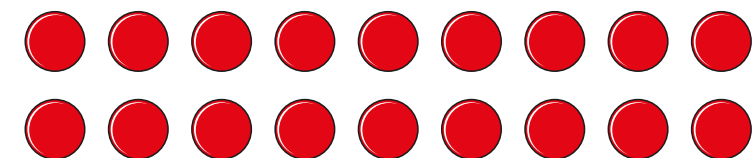
$$\square \times \square = \square$$

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

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

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

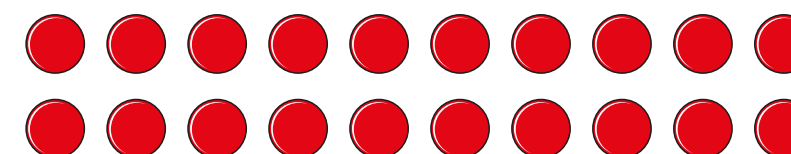


- 7 Draw dots to show each multiplication in two ways.

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?



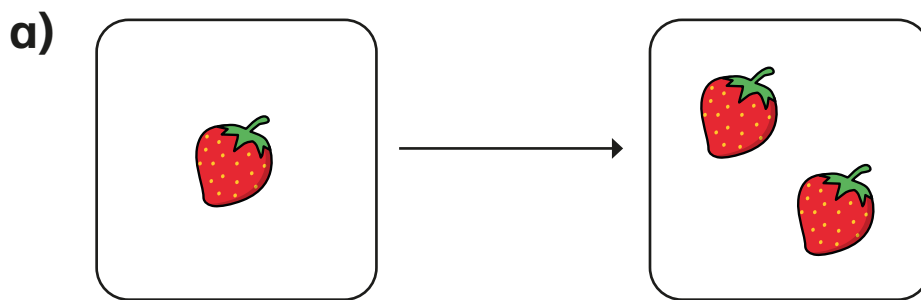
Talk about it with a partner.



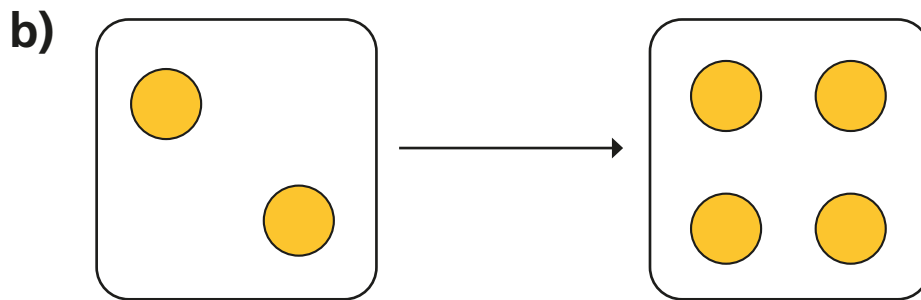
# Make doubles

**I** Complete the sentences.

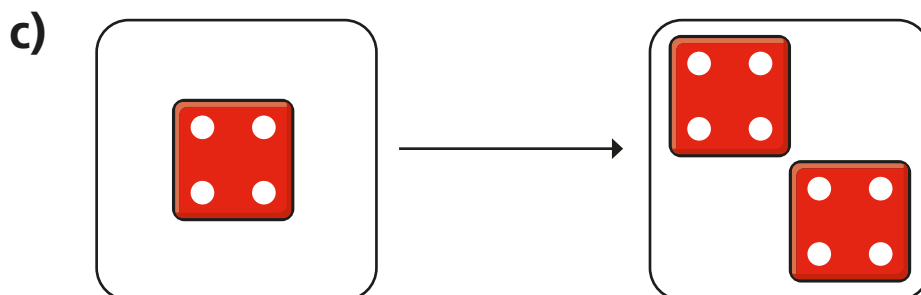
Use the pictures to help you.



Double 1 is

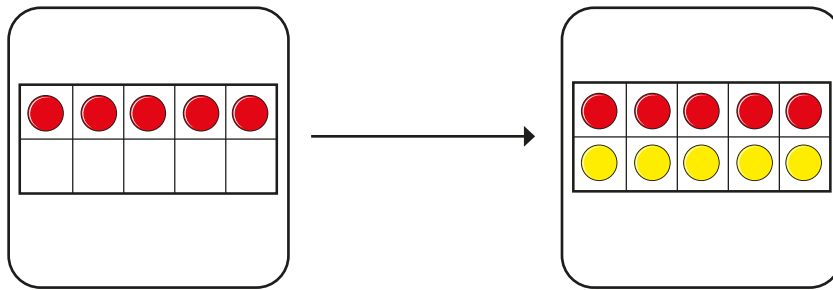


Double 2 is



Double  is

d)



Double

is

2

Match the doubles to the additions.

Double 3

Double 6

Double 10

Double 7

$6 + 6$

$7 + 7$

$3 + 3$

$10 + 10$

3

Fill in the gaps.

a) Double 15 is

b) Double 11 is

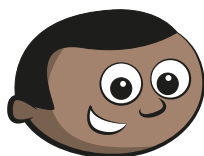
c) Double 12 is

d) Double 20 is

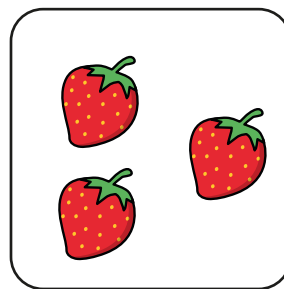
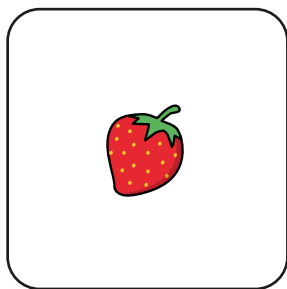
e) Double  is 8

f) Double  is 16

4



I have doubled the number of strawberries.



Do you agree with Mo? \_\_\_\_\_

Talk about it with a partner.



# The 2 times-table

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

a)



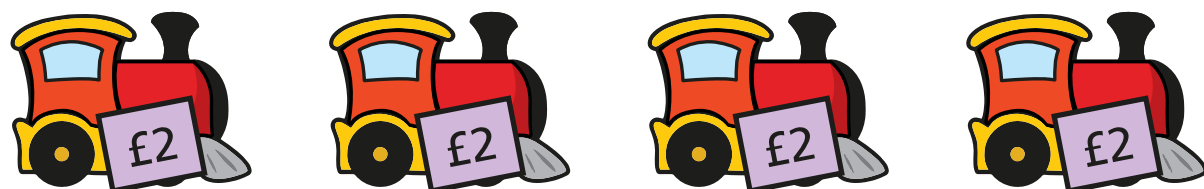
$$\square \times \square = \square$$

b)



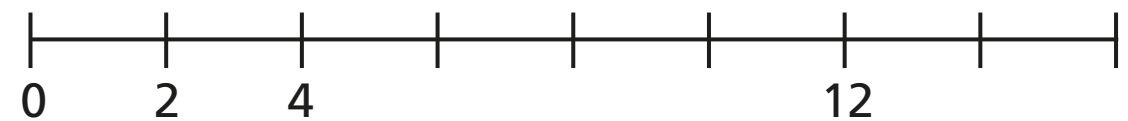
$$\square \times \square = \square$$

c)



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

2 a) Complete the number line.



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

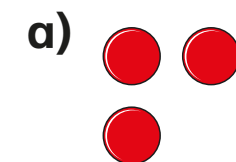
Tick your answer.

1 times-table      2 times-table

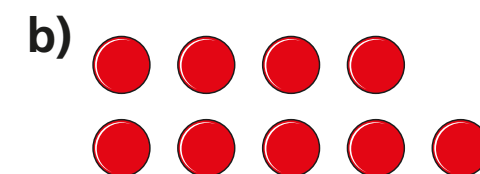
3 times-table

How do you know?

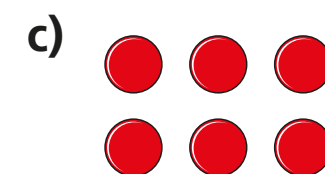
3 Complete the array and times-table fact so that they match.



$$2 \times 2 = \square$$



$$2 \times 5 = \square$$



$$2 \times \square = 8$$

4 Complete the number sentences.

a)  $3 \times 2 =$

f)   $= 12 \times 2$

b)   $= 9 \times 2$

g)  $2 \times$    $= 2$

c)  $2 \times 5 =$

h)  $2 \times 0 =$

d)  $2 \times$    $= 4$

i)  $14 = 2 \times$

e)  $12 =$    $\times 2$

j)   $\times 2 = 22$

5 Teddy has £8

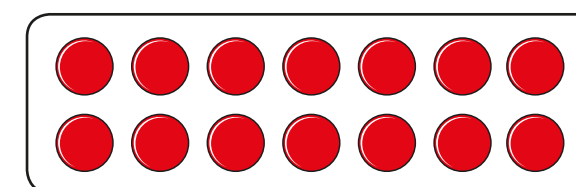
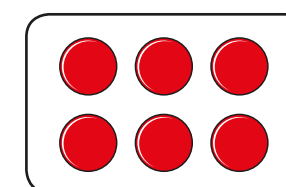
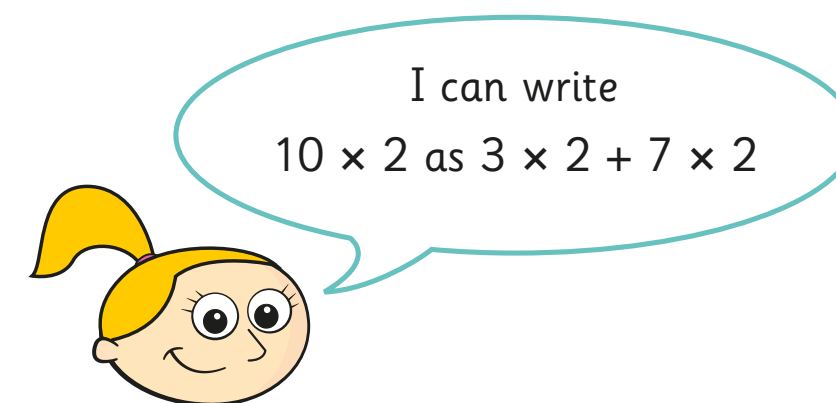
Rosie has twice as much money as Teddy.

How much money does Rosie have?

Rosie has £



6 Eva is writing  $10 \times 2$  in different ways.



Find three more ways that you can write  $10 \times 2$

Use counters to help you.

$\times$    $+$    $\times$

$\times$    $+$    $\times$

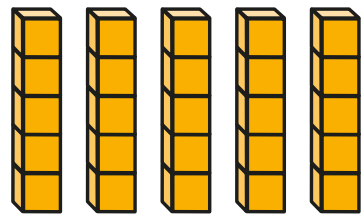
$\times$    $+$    $\times$

Compare answers with a partner.

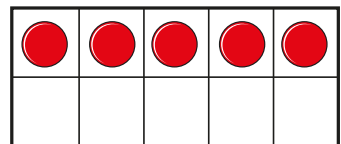


# The 5 times-table

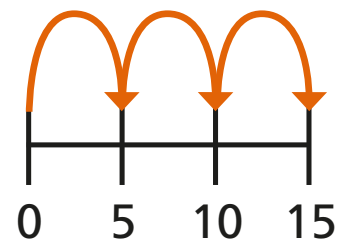
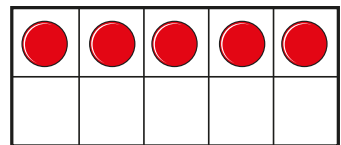
1 a) Match the picture to the times-table fact.



$3 \times 5$



$2 \times 5$



$1 \times 5$

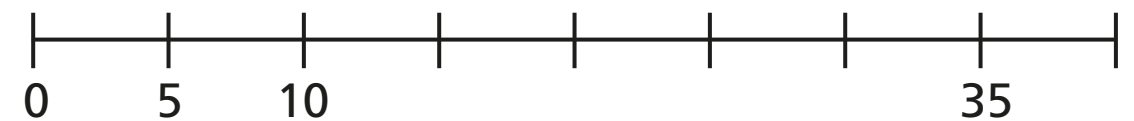


$5 \times 5$

b) Draw a picture to show  $4 \times 5$



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)  $5 \times 5 =$

f)   $= 11 \times 5$

b)   $= 9 \times 5$

g)  $5 \times$    $= 5$

c)  $5 \times 6 =$

h)  $5 \times 0 =$

d)  $5 \times$    $= 40$

i)  $10 = 5 \times$

e)  $35 =$    $\times 5$

j)   $\times 5 = 60$

4 How much money does Ron have?



Complete the multiplication.

$\times$    $=$

Ron has  p.

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

|               |                      |                           |
|---------------|----------------------|---------------------------|
| $7 \times 5$  | <input type="text"/> | $5 \times 8$              |
| $6 \times 5$  | <input type="text"/> | $4 \times 5 + 2 \times 5$ |
| $2 \times 5$  | <input type="text"/> | $3 \times 5 - 1 \times 5$ |
| $12 \times 2$ | <input type="text"/> | $2 \times 12$             |

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 £

# The 10 times-table

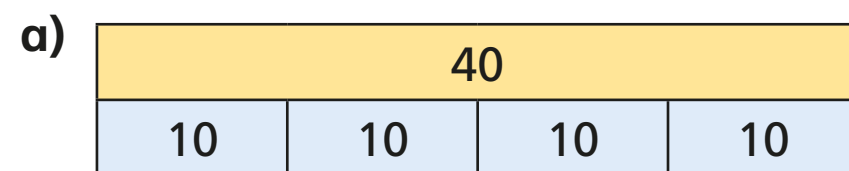
1 How many cookies are there?



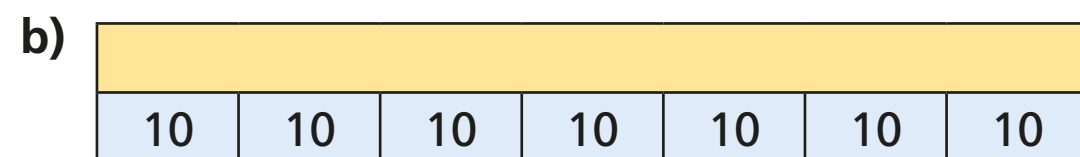
$$\square \times 10 = \square$$

There are  $\square$  cookies.

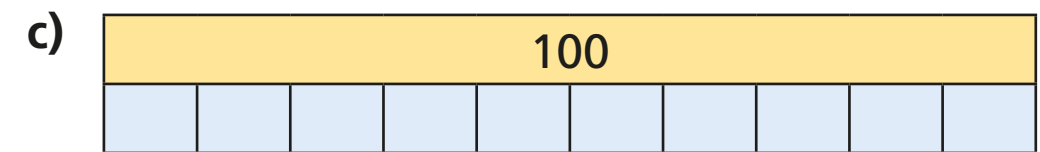
2 Complete the multiplication fact to match the bar model.



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



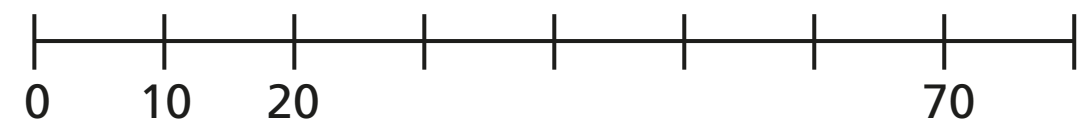
$$\square \times \square = \square$$



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

3 Draw a bar model to represent  $5 \times 10$

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)  $2 \times 10 =$

f)   $= 10 \times 10$

b)   $= 7 \times 10$

g)  $10 \times$    $= 10$

c)  $10 \times 4 =$

h)  $10 \times 0 =$

d)  $10 \times$    $= 110$

i)  $30 = 10 \times$

e)  $80 =$    $\times 10$

j)   $\times 10 = 90$

6 Eva is 7 years old.

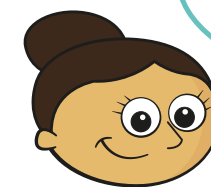
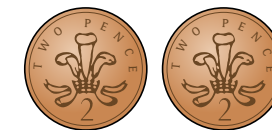
Her gran is 10 times older.

How old is Eva's gran?

Eva's gran is  years old.

7 Four children each have some money.

Teddy has this money.



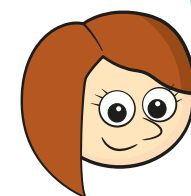
Dora

I have twice  
as much money  
as Teddy.

I have five times  
as much money  
as Teddy.



Jack



Rosie

I have ten times  
as much money  
as Dora.

How much money do they each have?

Teddy has  p

Dora has  p

Jack has  p

Rosie has  p