Use arrays

1 How many pears are there?

☐ + ☐ + ☐ = ☐

☐ × ☐ = ☐
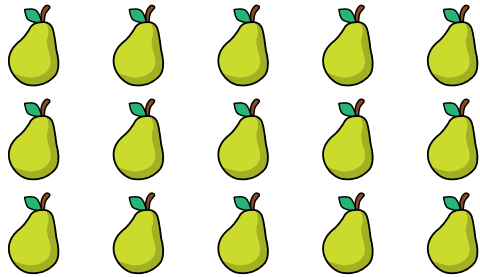
There are ☐ pears.

2 How many stars are there?

☐ + ☐ = ☐

☐ × ☐ = ☐

There are ☐ stars.

3 Write two additions and two multiplications for the array.

☐ + ☐ + ☐ = ☐

☐ × ☐ = ☐

☐ + ☐ + ☐ + ☐ = ☐

☐ × ☐ = ☐
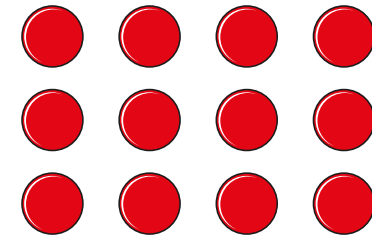
What do you notice?

4 Write two multiplications for this array.

☐ × ☐ = ☐

☐ × ☐ = ☐
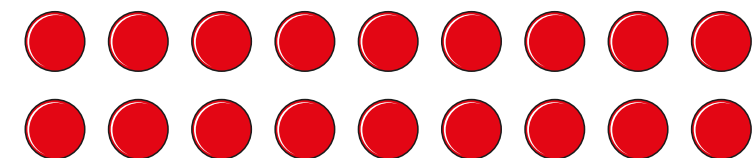
5 Draw an array to show 7 × 3

Complete the number sentence.

7 × 3 = ☐

Is there more than one way to draw the array?

6 Draw three different arrays to show 12

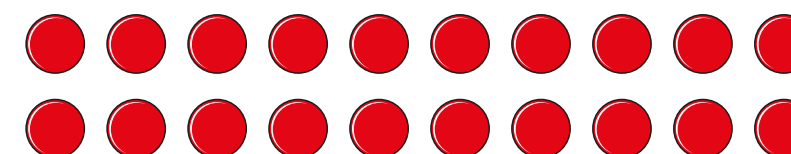**7** Draw dots to show each multiplication in two ways.

The first one has been done for you.

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

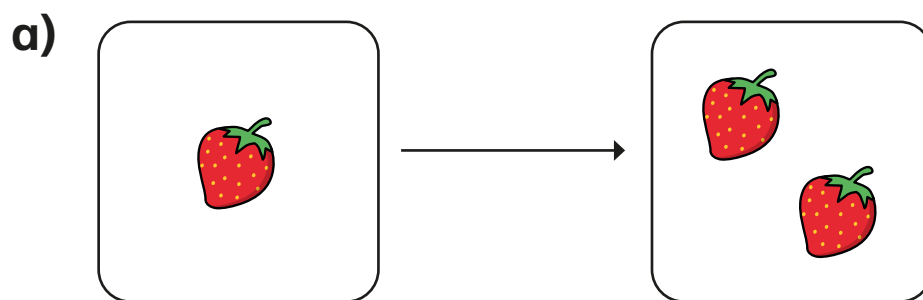**8** Can you see the multiplications 5 × 4 and 4 × 5 in the array?

Talk about it with a partner.

Make doubles

1 Complete the sentences.

Use the pictures to help you.

a)

Double 1 is ☐

b)

Double 2 is ☐

c)
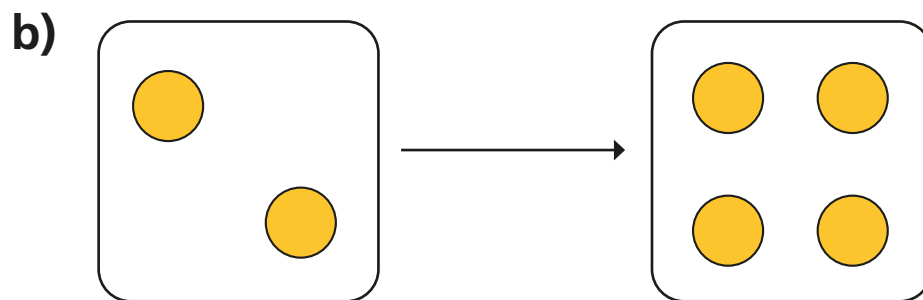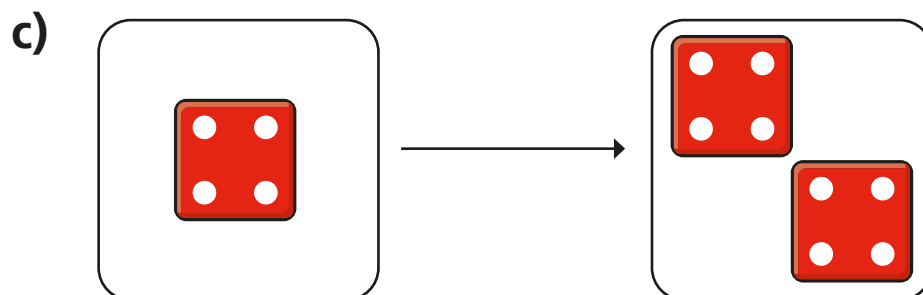
Double ☐ is ☐

d)
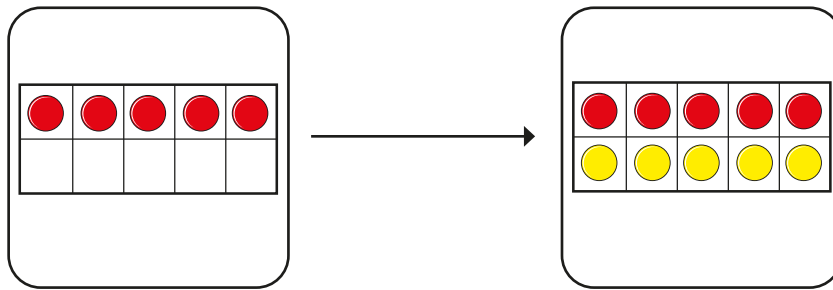
Double ☐ is ☐

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 ☐
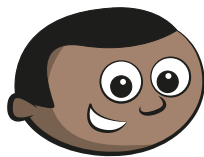
b) Double 11 is ☐

c) Double 12 is ☐
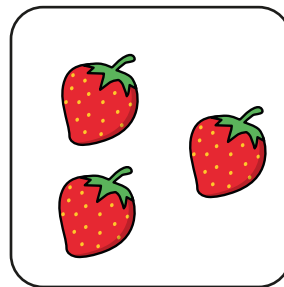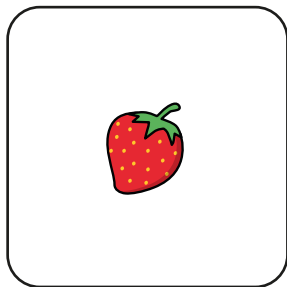
d) Double 20 is ☐

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)

☐ × ☐ = ☐

b)

☐ × ☐ = ☐

c)
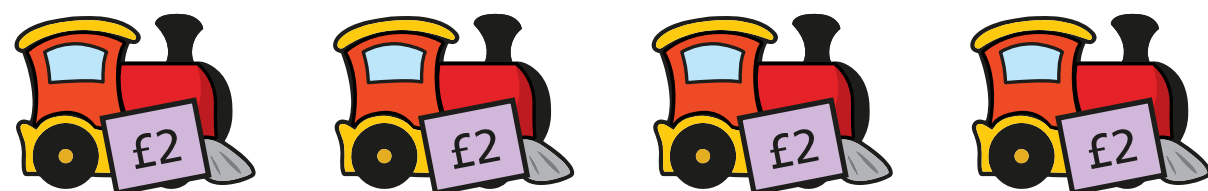
☐ × ☐ = ☐

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

0   2   4   12
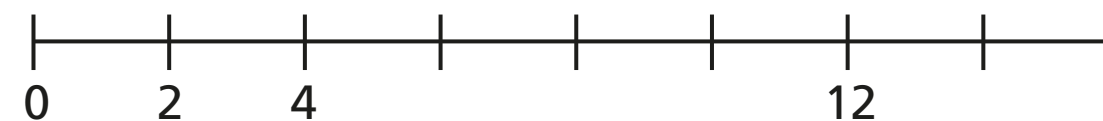
b) Which times-table does the number line show?

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)
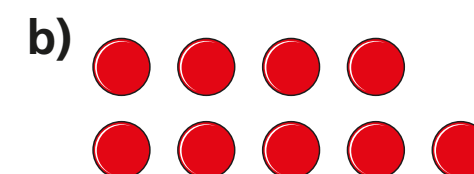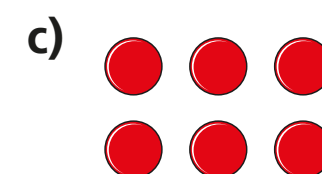
2 × ☐ = 8

4 Complete the number sentences.

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

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

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

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

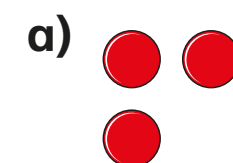**c)** $2 \times 5 = \boxed{}$

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

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

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

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

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

5 Teddy has £8

Rosie has twice as much money as Teddy.

How much money does Rosie have?

Rosie has £$\boxed{}$

6 Eva is writing 10×2 in different ways.

> I can write
> 10×2 as $3 \times 2 + 7 \times 2$
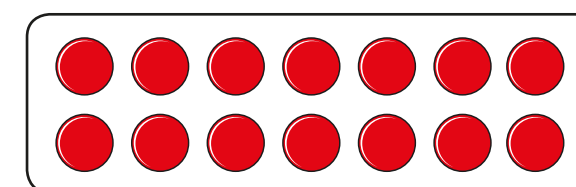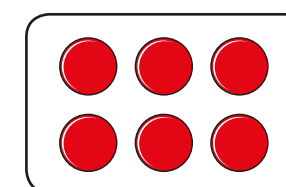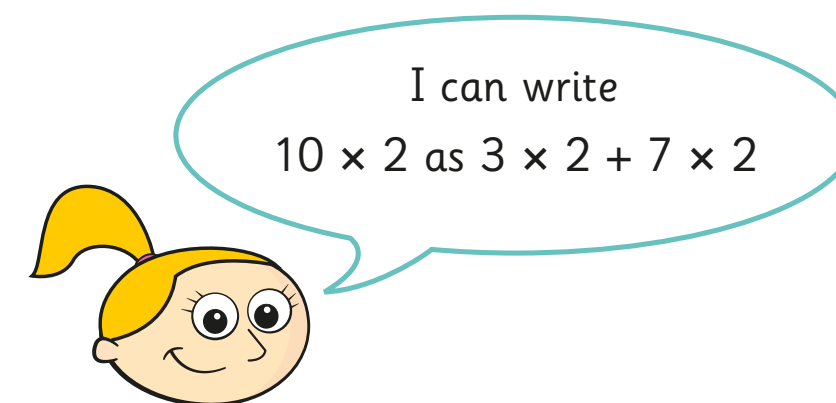
Find three more ways that you can write 10×2

Use counters to help you.

$\boxed{} \times \boxed{} + \boxed{} \times \boxed{}$

$\boxed{} \times \boxed{} + \boxed{} \times \boxed{}$

$\boxed{} \times \boxed{} + \boxed{} \times \boxed{}$

Compare answers with a partner.

1 **a)** Match the picture to the times-table fact.
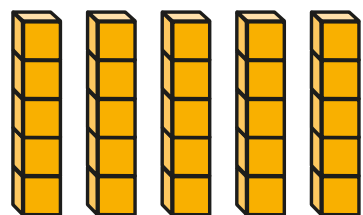
3 × 5
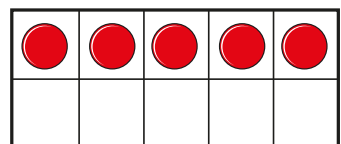
2 × 5
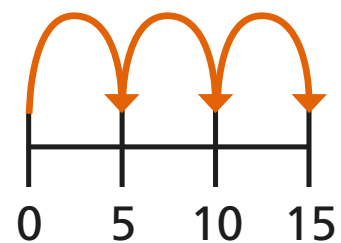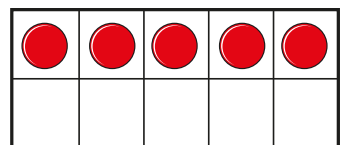
1 × 5
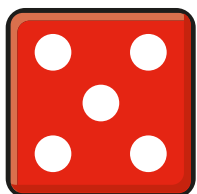
5 × 5

b) Draw a picture to show 4 × 5

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

0   5   10   35
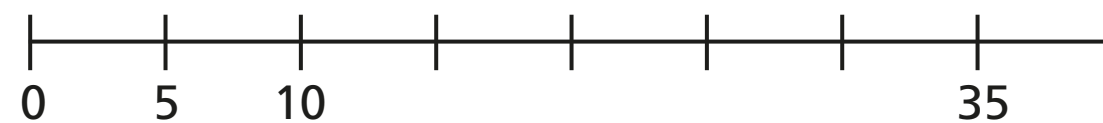
b) Which times-table does the number line show?
Tick your answer.

1 times-table   2 times-table

5 times-table

How do you know?

3 Complete the number sentences.

a) $5 \times 5 = \boxed{}$

f) $\boxed{} = 11 \times 5$

b) $\boxed{} = 9 \times 5$

g) $5 \times \boxed{} = 5$

c) $5 \times 6 = \boxed{}$

h) $5 \times 0 = \boxed{}$

d) $5 \times \boxed{} = 40$

i) $10 = 5 \times \boxed{}$

e) $35 = \boxed{} \times 5$

j) $\boxed{} \times 5 = 60$

4 How much money does Ron have?

Complete the multiplication.

$\boxed{} \times \boxed{} = \boxed{}$

Ron has $\boxed{}$ p.

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

7×5 $\bigcirc$ 5×8

6×5 $\bigcirc$ $4 \times 5 + 2 \times 5$

2×5 $\bigcirc$ $3 \times 5 - 1 \times 5$

12×2 $\bigcirc$ 2×12

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

£2   £5

Jack buys 5 sandwiches and 3 boxes of crayons.

How much does he spend in total?

Jack spends £ $\boxed{}$
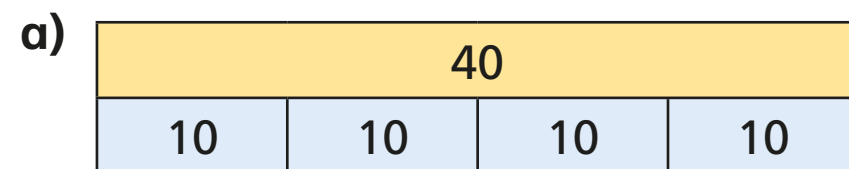
The 10 times-table

1 How many cookies are there?

| 10 | 10 | 10 | 10 | 10 | 10 |

[ ] × 10 = [ ]

There are [ ] cookies.

2 Complete the multiplication fact to match the bar model.

a)

40			
10	10	10	10

[ ] × [ ] = [ ]

b)

10	10	10	10	10	10	10

[ ] × [ ] = [ ]

c)

100									

[ ] × [ ] = [ ]
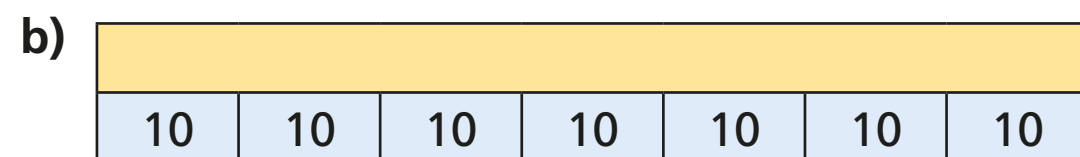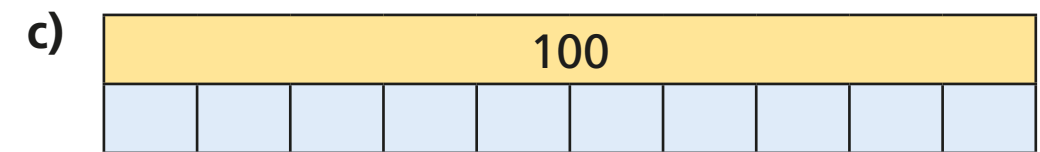
3 Draw a bar model to represent 5 × 10

4 a) Complete the number line.

0   10   20   70
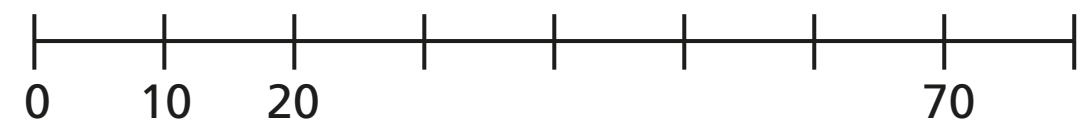
b) Which times-table does the number line show?

Tick your answer.

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

How do you know?

5 Complete the number sentences.

a) 2 × 10 = ☐

f) ☐ = 10 × 10

b) ☐ = 7 × 10

g) 10 × ☐ = 10

c) 10 × 4 = ☐

h) 10 × 0 = ☐

d) 10 × ☐ = 110

i) 30 = 10 × ☐

e) 80 = ☐ × 10

j) ☐ × 10 = 90
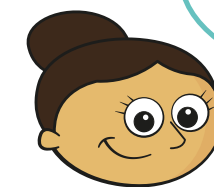
6 Eva is 7 years old.

Her gran is 10 times older.

How old is Eva's gran?

Eva's gran is ☐ years old.

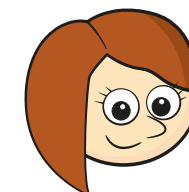**7** Four children each have some money.

Teddy has this money.

I have twice as much money as Teddy.

Dora

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 ☐ p   Dora has ☐ p

Jack has ☐ p   Rosie has ☐ p