The 4 times-table

1 Complete the multiplication.

a)

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

b)

$$\boxed{} \times \boxed{} = \boxed{}$$
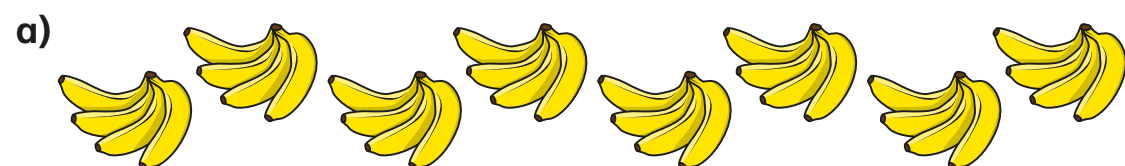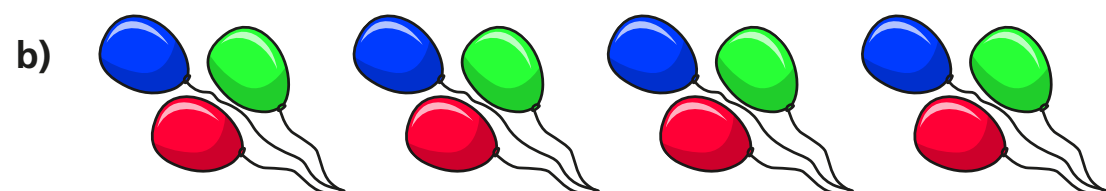
2 Complete the number sentences.

a) $6 \times 4 = \boxed{}$

b) $4 \times 3 = \boxed{}$

c) $\boxed{} = 7 \times 4$

d) $4 \times \boxed{} = 48$

e) $0 \times 4 = \boxed{}$

f) $4 \times 9 = \boxed{}$

g) $24 \div 4 = \boxed{}$

h) $8 \div 4 = \boxed{}$

i) $0 \div 4 = \boxed{}$

j) $\boxed{} \div 11 = 4$

k) $\boxed{} \div 4 = 5$

l) $1 \times 4 = \boxed{}$

3 What multiplication and division statements does the array represent?

Complete the statements.

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

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

$$\boxed{} \div \boxed{} = \boxed{}$$

$$\boxed{} \div \boxed{} = \boxed{}$$
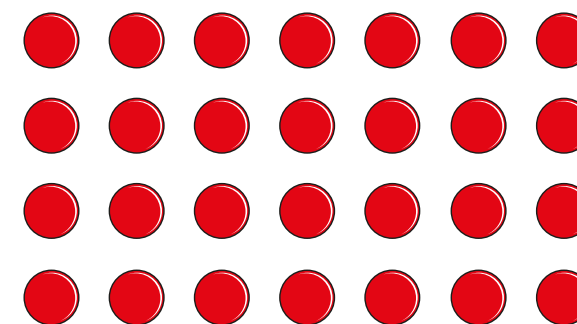
4 Complete the number sentences.

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

$4 \times 4 = \boxed{}$

$8 \times 4 = \boxed{}$

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

$16 = 4 \times \boxed{}$

$32 = 4 \times \boxed{}$

c) $3 \times 4 = \boxed{}$

$3 \times 8 = \boxed{}$

$3 \times 12 = \boxed{}$

What patterns do you notice?

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

a) $48 \div 12$ ◯ 4

b) 36 ◯ $40 \div 4$

c) $16 \div 4$ ◯ 4×4

d) $4 \div 4$ ◯ 4×4

e) 1×4 ◯ 4×1

f) 4×2 ◯ $32 \div 4$

6 A paper clip is 4 cm long.

4 cm

How long are 6 of these paper clips?

☐

7 Dexter buys 10 mugs and 4 key rings.

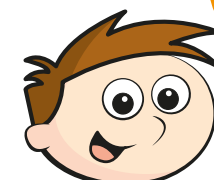How much money does he spend in total?

£4

£3

☐

8 The pictogram shows the animals a group of children have as pets.

Complete the pictogram.

Animal	Pictogram	Number of animals
cat	⬤⬤⬤⬤	
dog		28
bird	⬤⬤⬤⬤⬤	
mouse	⬤	

⬤ = 4 animals

9

Teddy: Some of the numbers in the 4 times-table are even, but not all of them.
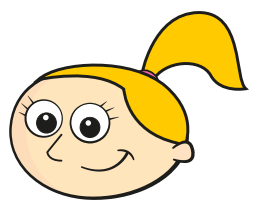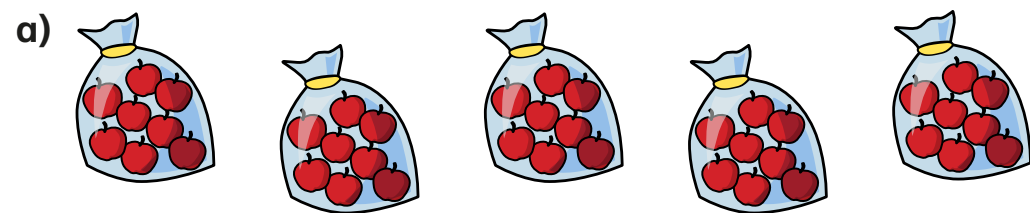
Eva: All numbers in the 4 times-table are even.

Who is correct? _____

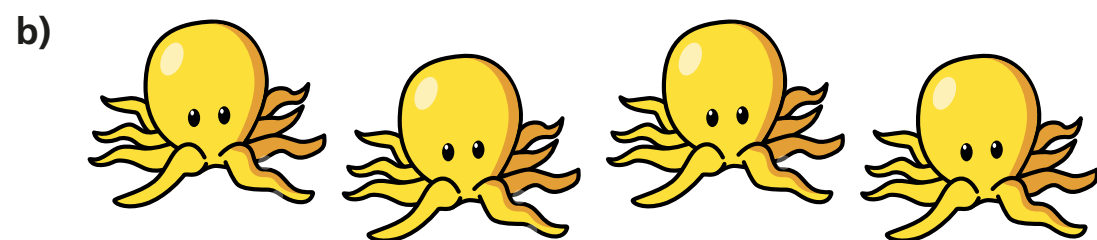How do you know? Talk about it with a partner.

Multiply by 8

1 Complete the sentences.

a)

There are ☐ bags of apples.

There are ☐ apples in each bag.

There are ☐ apples in total.

b)

There are ☐ octopuses.

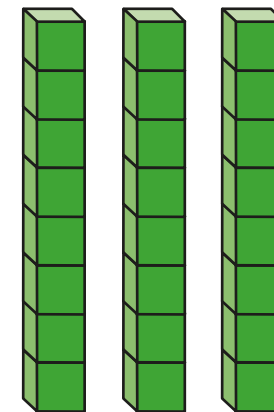There are ☐ arms on each octopus.

There are ☐ arms in total.

2 Use counters to represent 2 × 8

Draw your representation.

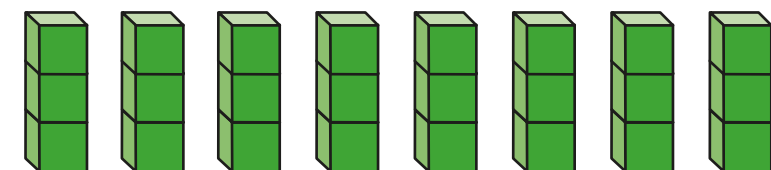**3** Work out how many cubes there are in total.

Complete the multiplication sentences.

a)

☐ × ☐ = ☐

b)

☐ × ☐ = ☐

What is the same about your answers? What is different?

4 How many dots are there in total?

⬜ × ⬜ = ⬜
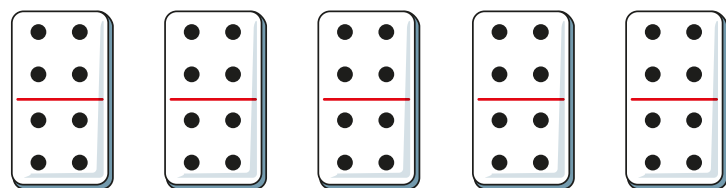
How many different ways can you work this out?

_____

_____

5

| 8 | 8 | 8 | 8 | 8 | 8 | 8 |
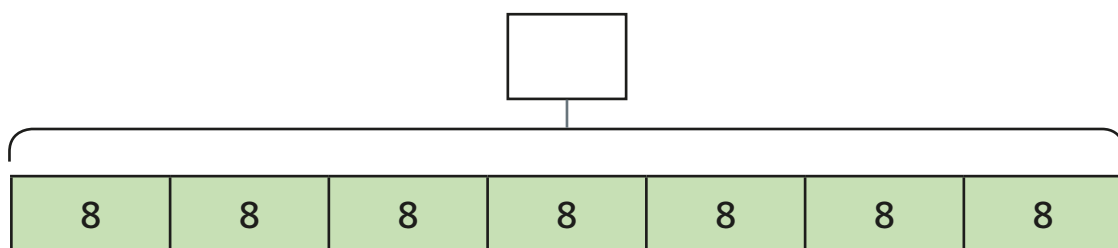
a) What multiplication is represented by the bar model?

⬜ × ⬜

b) Label the bar model with the whole.
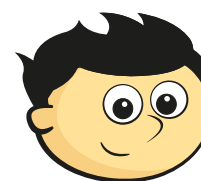
c) Draw a bar model to represent 3 × 8

6 Whitney has 10 packets of seeds.
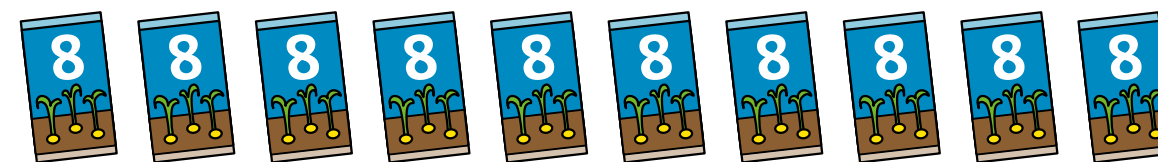
a) How many seeds does Whitney have in total?

⬜

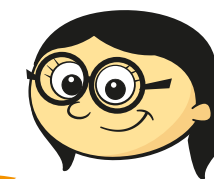**b)** Ron has 4 fewer packets than Whitney.
How many seeds does he have?

⬜

7 Jack and Annie are practising their 8 times-table.

To multiply any number by 8, you can multiply it by 4 and then double it.

Jack

To multiply any number by 8, you can double the number 3 times.

Annie

a) Who do you agree with? _____
Talk about it with a partner.

b) Use both methods to work out these multiplications.

8 × 4 = ⬜   8 × 9 = ⬜   11 × 8 = ⬜
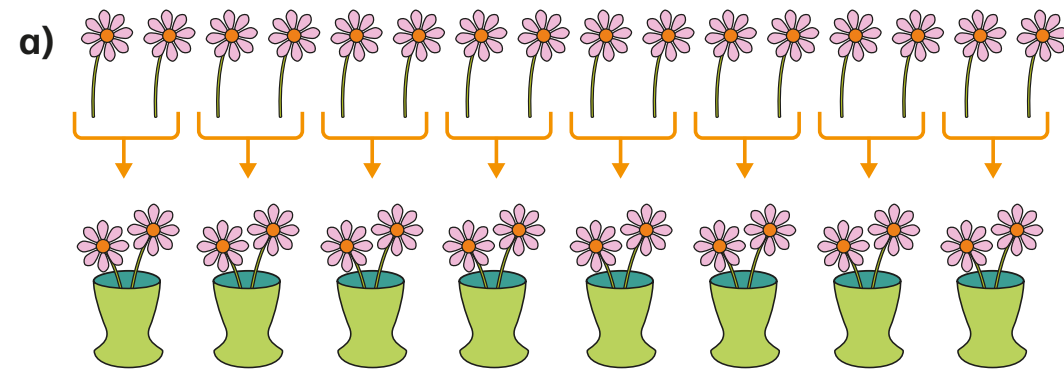
Divide by 8

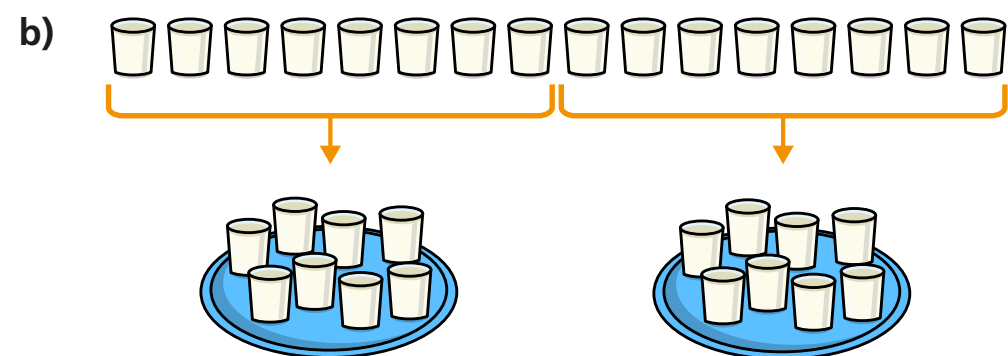**1** Complete the sentences.

a)

There are ☐ flowers.

There are ☐ vases.

Each vase has ☐ flowers.

16 shared into ☐ equal groups is ☐.

b)

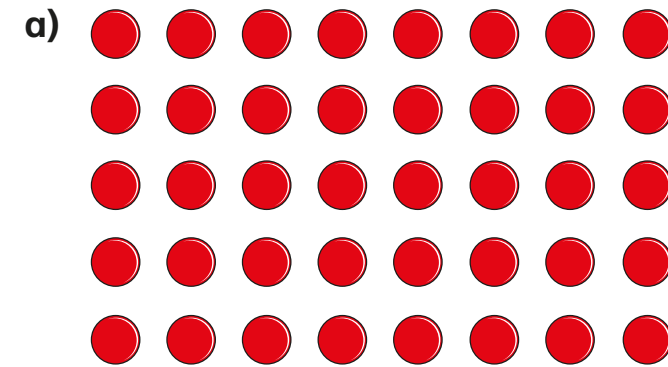There are 16 glasses of milk.

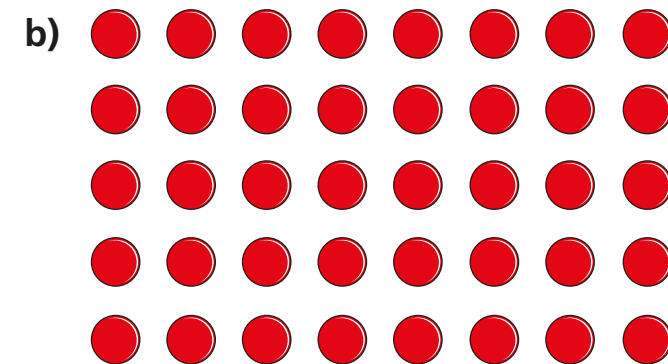There are ☐ glasses of milk on each tray.

There are ☐ trays.

16 shared into ☐ equal groups is ☐.

2 Use the arrays to help you complete the divisions.

Draw on the arrays to show your workings.

a)

40 ÷ 8 = ☐

b)

40 ÷ 5 = ☐

3 32 coins are shared between 8 people.

How many coins does each person get?

Complete the division.

☐ ÷ ☐ = ☐

4 Complete the bar models and division statements.

a)

24

$\boxed{} \div \boxed{} = \boxed{}$

b)

24

$\boxed{} \div \boxed{} = \boxed{}$

c)

24

$\boxed{} \div \boxed{} = \boxed{}$
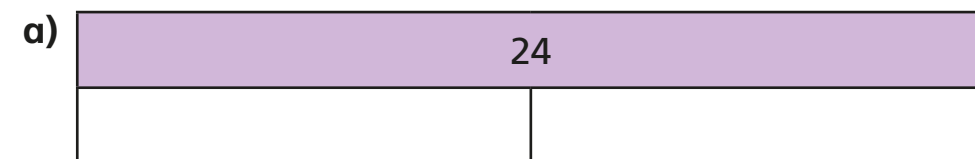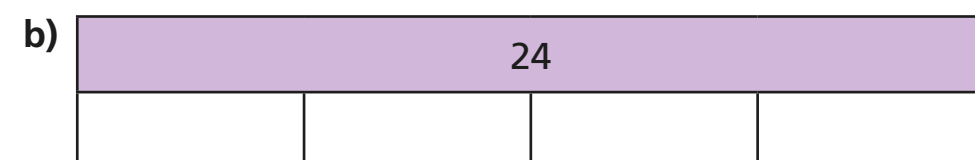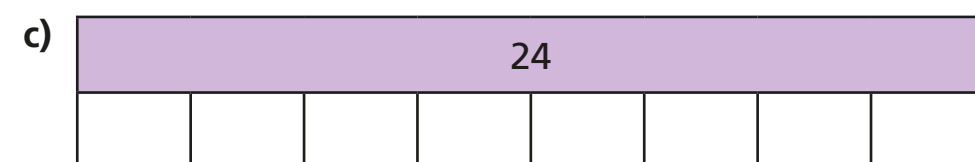
What do you notice?

5 40 kg of potatoes are packed into 8 kg bags.

How many 8 kg bags can be filled?

$\boxed{}$

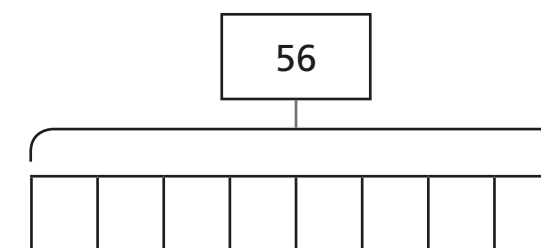**6 a)** Match the number story to the bar model.

56 sweets are shared equally between 8 party bags.
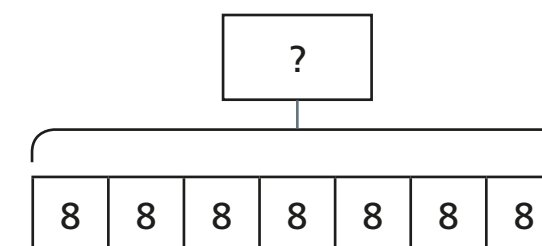
56
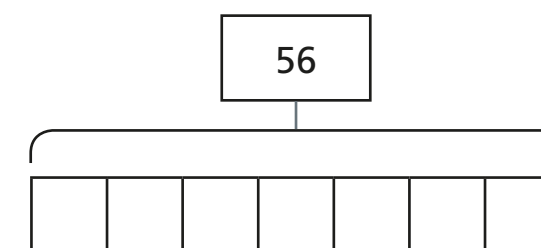
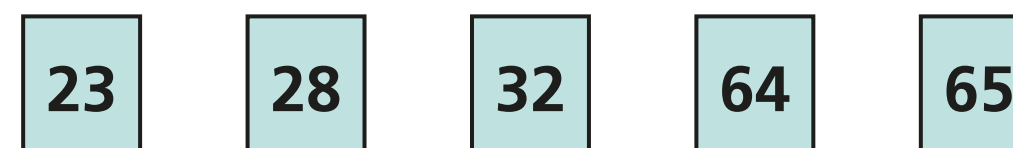56 sweets are put into party bags. There are 8 sweets in each bag.

56

b) Complete the bar models.

c) Think of a number story to match this bar model.

?

8	8	8	8	8	8	8

7 Circle the numbers that divide by 8 exactly.

23	28	32	64	65

How did you work this out?

1 How many are there in total?

Complete the multiplications.

a)

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

b)

$\boxed{} \times \boxed{} = \boxed{}$
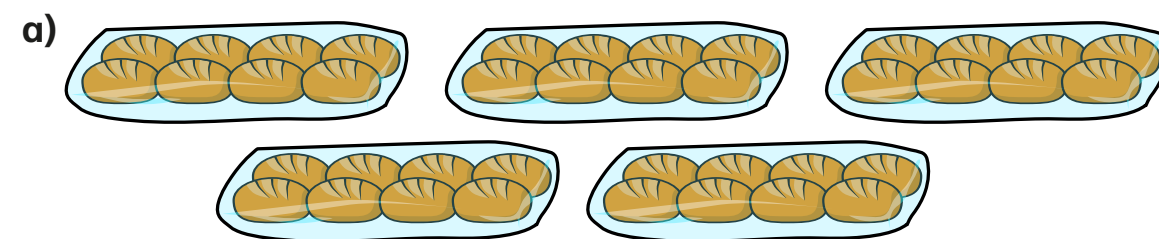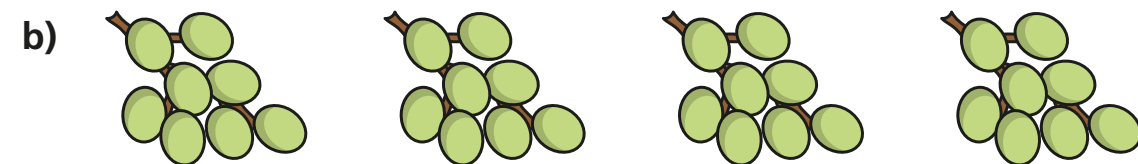
2 Complete the number tracks.

a)

0	8	16	24				

b)

96	88	80					

3 Here is an array made up of triangles.
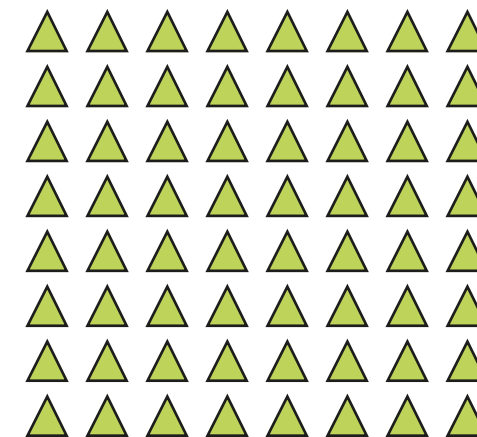
a) What multiplication sentence can you see?

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

b) What division sentence can you see?

$\boxed{} \div \boxed{} = \boxed{}$

4 Complete the calculations.

Try to do the calculations in your head.

a) $6 \times 8 = \boxed{}$

b) $8 \times \boxed{} = 56$

c) $10 \times 8 = \boxed{}$

d) $\boxed{} = 8 \times 4$

e) $72 \div 8 = \boxed{}$

f) $\boxed{} \div 11 = 8$

g) $\boxed{} \div 8 = 5$

h) $8 \times 1 = \boxed{}$

5 What multiplication can you see?

$\bigcirc$ $\bigcirc$ $\bigcirc$ $\bigcirc$ $\bigcirc$ $\bigcirc$ $\bigcirc$ $\bigcirc$
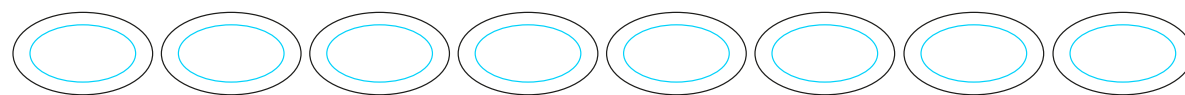
6 Complete the multiplications.

a) $2 \times 8 =$ ☐

$4 \times 8 =$ ☐

$8 \times 8 =$ ☐

b) $8 = 8 \times$ ☐

$16 = 8 \times$ ☐

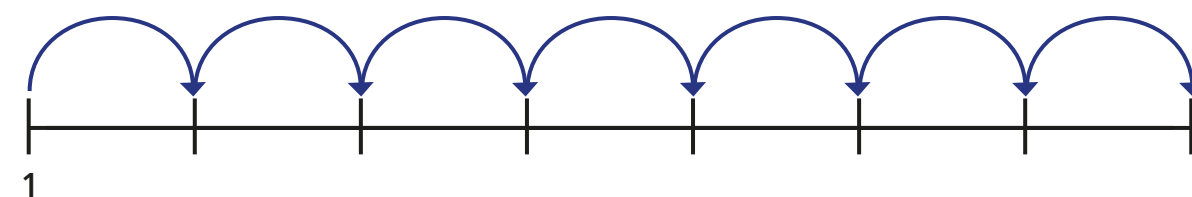$32 = 8 \times$ ☐

What patterns do you notice?

7 **a)** Amir draws 7 jumps of 8 on a number line.
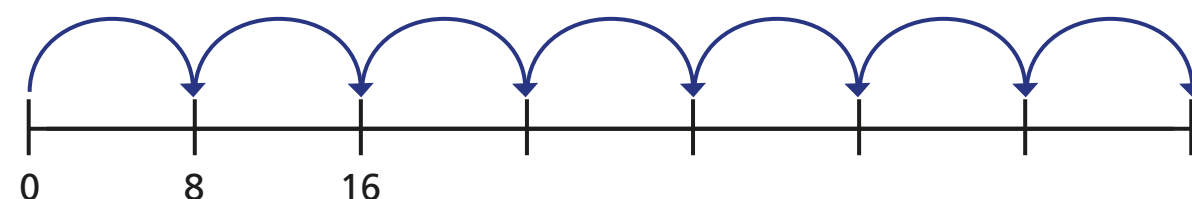
What number does Amir end on? ☐

Explain how you worked it out.

b) This time, Amir makes 7 jumps of 8, but starts from 1

What number does Amir end on this time? ☐

Explain how you know.
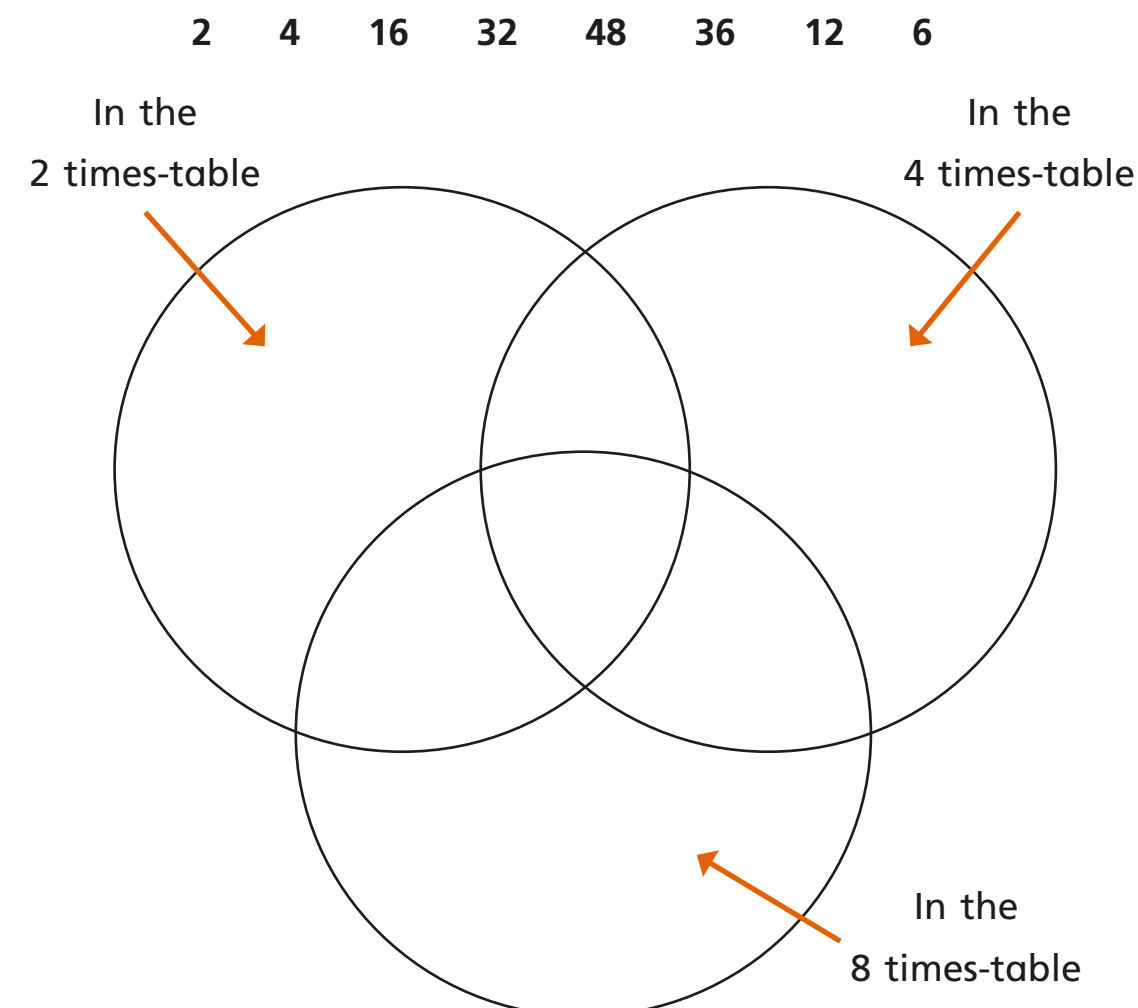
8 Boats can be hired on a lake.

There are 5 large boats and 8 small boats on the lake.

Each boat is full.

How many people are on the lake?

☐

Boats for Hire

Large boat: holds 8 people

Small boat: holds 4 people

9 Put the numbers into the sorting diagram.

2   4   16   32   48   36   12   6

In the 2 times-table

In the 4 times-table
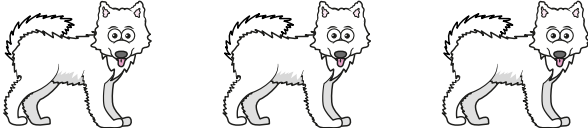
In the 8 times-table
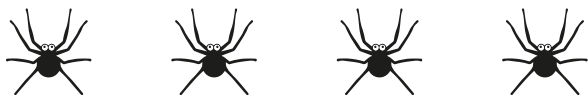
Are any of the parts empty? Why?

Talk about it with a partner.

Consolidate 2, 4 and 8 times-tables

1 How many legs are there altogether?
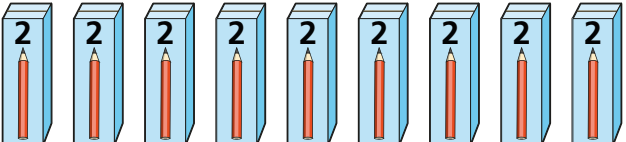
Complete the multiplications

a) ☐ × ☐ = ☐

b) ☐ × ☐ = ☐
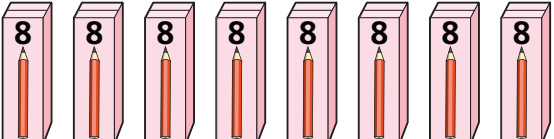
c) ☐ × ☐ = ☐

2 How many pencils are there?

Complete the multiplications.

a) ☐ × ☐ = ☐

b) ☐ × ☐ = ☐

c) ☐ × ☐ = ☐

3 A paper clip is 3 cm long.

3 cm
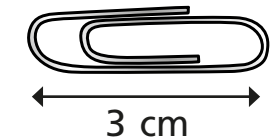
a) What is the total length of 2 paper clips?

☐ cm

b) What is the total length of 4 paper clips?

☐ cm

c) What is the total length of 8 paper clips?

☐ cm

4 Complete the multiplications.

a) $1 \times 2 =$ ☐

$2 \times 2 =$ ☐

$3 \times 2 =$ ☐

$4 \times 2 =$ ☐

$5 \times 2 =$ ☐

b) $1 \times 4 =$ ☐

$2 \times 4 =$ ☐

$3 \times 4 =$ ☐

$4 \times 4 =$ ☐

$5 \times 4 =$ ☐

c) $1 \times 8 =$ ☐

$2 \times 8 =$ ☐

$3 \times 8 =$ ☐

$4 \times 8 =$ ☐

$5 \times 8 =$ ☐

What do you notice?

5 Complete the multiplications.

a) 6 × 4 = ▢   **e)** 8 × 4 = ▢

b) 2 × 10 = ▢   **f)** 2 × 11 = ▢

c) 7 × 8 = ▢   **g)** 4 × 9 = ▢

d) 12 × 2 = ▢   **h)** 10 × 8 = ▢

6 Work out the missing numbers.

a) ▢ × 8 = 16   **d)** 8 × ▢ = 0
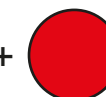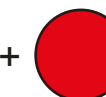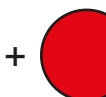
b) 4 × ▢ = 20   **e)** 2 × 4 × ▢ = 64

c) 24 = ▢ × 2   **f)** 40 = ▢ × 5 × ▢

7 Work out the value of each shape.

🔴 + 🔴 + 🔴 + 🔴 = 16

🔴 × 🔺 = 32

🔺 × 1 = 🟦 × 🟦 × 🟦

🔴 = ▢   🔺 = ▢   🟦 = ▢

8 Tennis balls come in packets of 2, 4 and 8

Rosie buys 5 of each different size pack.

How many tennis balls does she buy altogether?

Show your workings.

▢