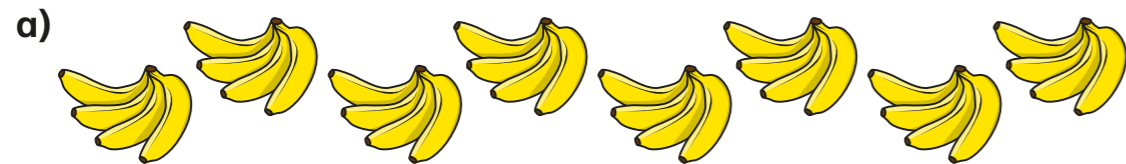
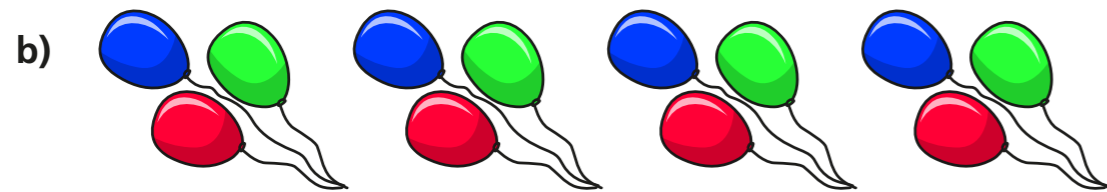


# The 4 times-table

1 Complete the multiplication.



$$\boxed{8} \times \boxed{4} = \boxed{32}$$



$$\boxed{4} \times \boxed{3} = \boxed{12}$$

2 Complete the number sentences.

a)  $6 \times 4 = \boxed{24}$

g)  $24 \div 4 = \boxed{6}$

b)  $4 \times 3 = \boxed{12}$

h)  $8 \div 4 = \boxed{2}$

c)  $\boxed{28} = 7 \times 4$

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

d)  $4 \times \boxed{12} = 48$

j)  $\boxed{44} \div 11 = 4$

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

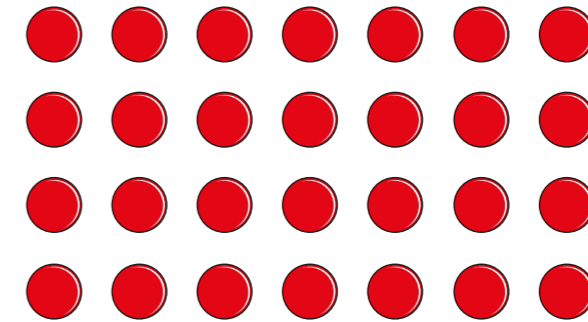
k)  $\boxed{20} \div 4 = 5$

f)  $4 \times 9 = \boxed{36}$

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

3 What multiplication and division statements does the array represent?

Complete the statements.



$$\boxed{4} \times \boxed{7} = \boxed{28}$$

$$\boxed{7} \times \boxed{4} = \boxed{28}$$

$$\boxed{28} \div \boxed{7} = \boxed{4}$$

$$\boxed{28} \div \boxed{4} = \boxed{7}$$

4 Complete the number sentences.

a)  $2 \times 4 = \boxed{8}$

c)  $3 \times 4 = \boxed{12}$

$4 \times 4 = \boxed{16}$

$3 \times 8 = \boxed{24}$

$8 \times 4 = \boxed{32}$

$3 \times 12 = \boxed{36}$

b)  $8 = 4 \times \boxed{2}$

$16 = 4 \times \boxed{4}$

$32 = 4 \times \boxed{8}$

What patterns do you notice?



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

a)  $48 \div 12$   $(=)$   $4$

d)  $4 \div 4$   $(<)$   $4 \times 4$

b)  $36$   $(>)$   $40 \div 4$

e)  $1 \times 4$   $(=)$   $4 \times 1$

c)  $16 \div 4$   $(<)$   $4 \times 4$

f)  $4 \times 2$   $(=)$   $32 \div 4$

6 A paper clip is 4 cm long.



How long are 6 of these paper clips?

24cm

7 Dexter buys 10 mugs and 4 key rings.  
How much money does he spend in total?



£52

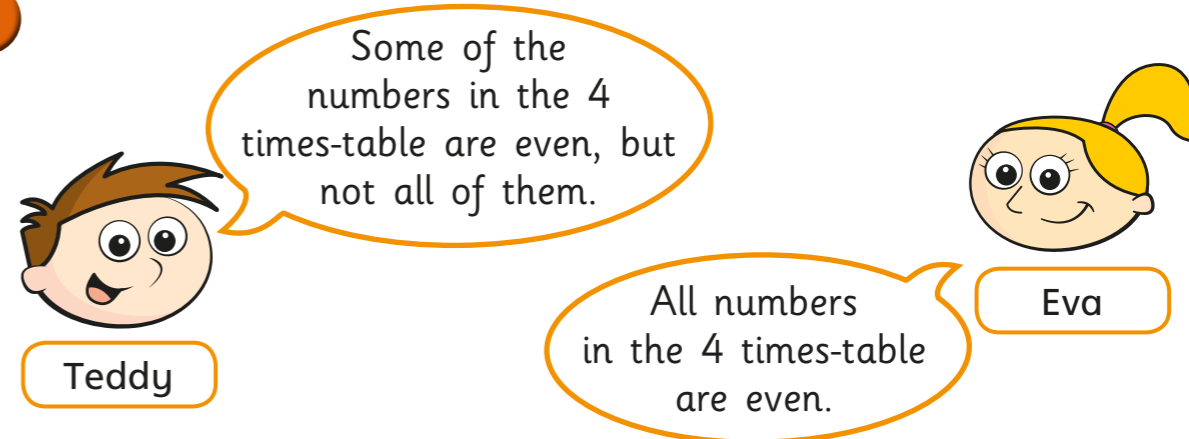
8 The pictogram shows the animals a group of children have as pets.

Complete the pictogram.

Animal	Pictogram	Number of animals
cat		16
dog		28
bird		20
mouse		4

= 4 animals

9

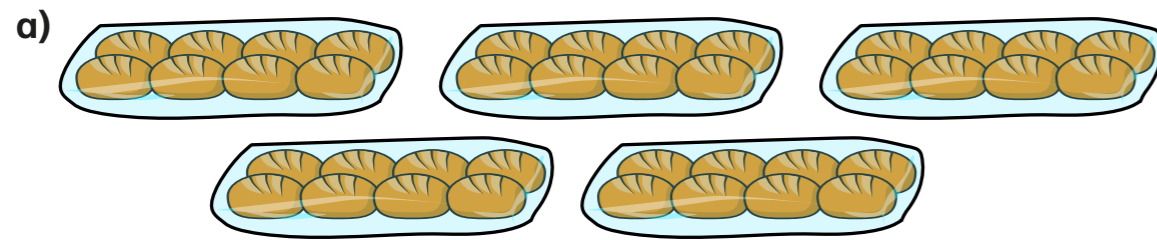


Who is correct? Eva

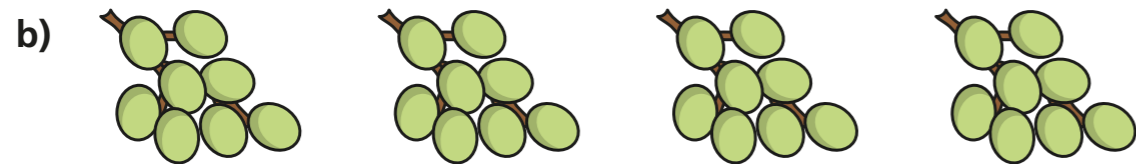
How do you know? Talk about it with a partner.

# The 8 times-table

1 How many are there in total?  
Complete the multiplications.



$$\boxed{5} \times \boxed{8} = \boxed{40}$$



$$\boxed{4} \times \boxed{8} = \boxed{32}$$

2 Complete the number tracks.

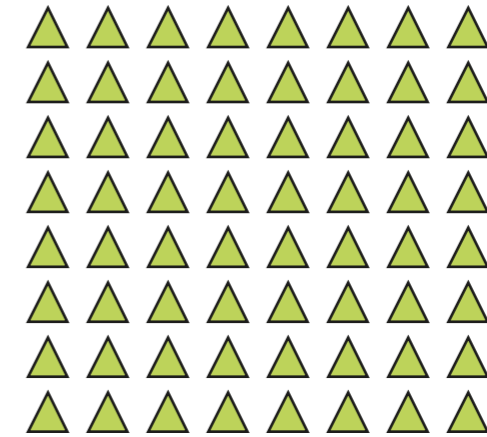
a) 

0	8	16	24	32	40	48	56
---	---	----	----	----	----	----	----

b) 

96	88	80	72	64	56	48	40
----	----	----	----	----	----	----	----

3 Here is an array made up of triangles.



a) What multiplication sentence can you see?

$$\boxed{8} \times \boxed{8} = \boxed{64}$$

b) What division sentence can you see?

$$\boxed{64} \div \boxed{8} = \boxed{8}$$

4 Complete the calculations.

Try to do the calculations in your head.

a)  $6 \times 8 = \boxed{48}$

e)  $72 \div 8 = \boxed{9}$

b)  $8 \times \boxed{7} = 56$

f)  $\boxed{88} \div 11 = 8$

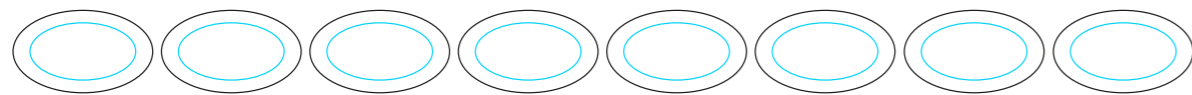
c)  $10 \times 8 = \boxed{80}$

g)  $\boxed{40} \div 8 = 5$

d)  $\boxed{32} = 8 \times 4$

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

5 What multiplication can you see?



6 Complete the multiplications.

a)  $2 \times 8 = 16$

b)  $8 = 8 \times 1$

$4 \times 8 = 32$

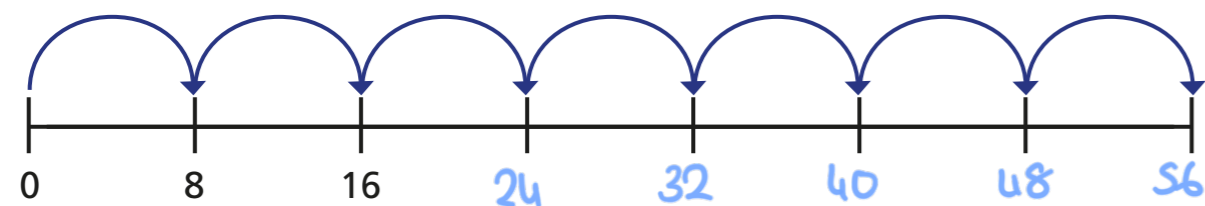
$16 = 8 \times 2$

$8 \times 8 = 64$

$32 = 8 \times 4$

What patterns do you notice?

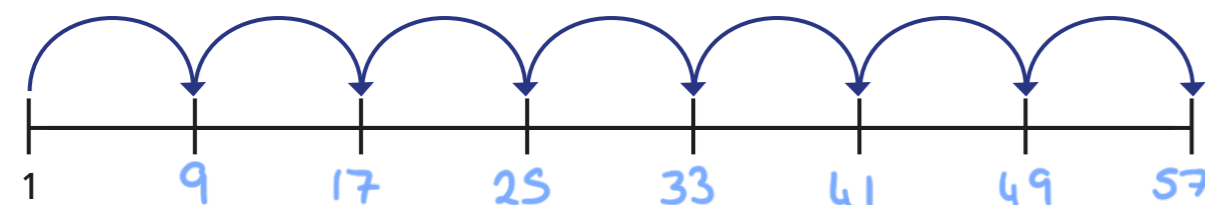
7 a) Amir draws 7 jumps of 8 on a number line.



What number does Amir end on? 56

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? 57

Explain how you know.

8 Boats can be hired on a lake.

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

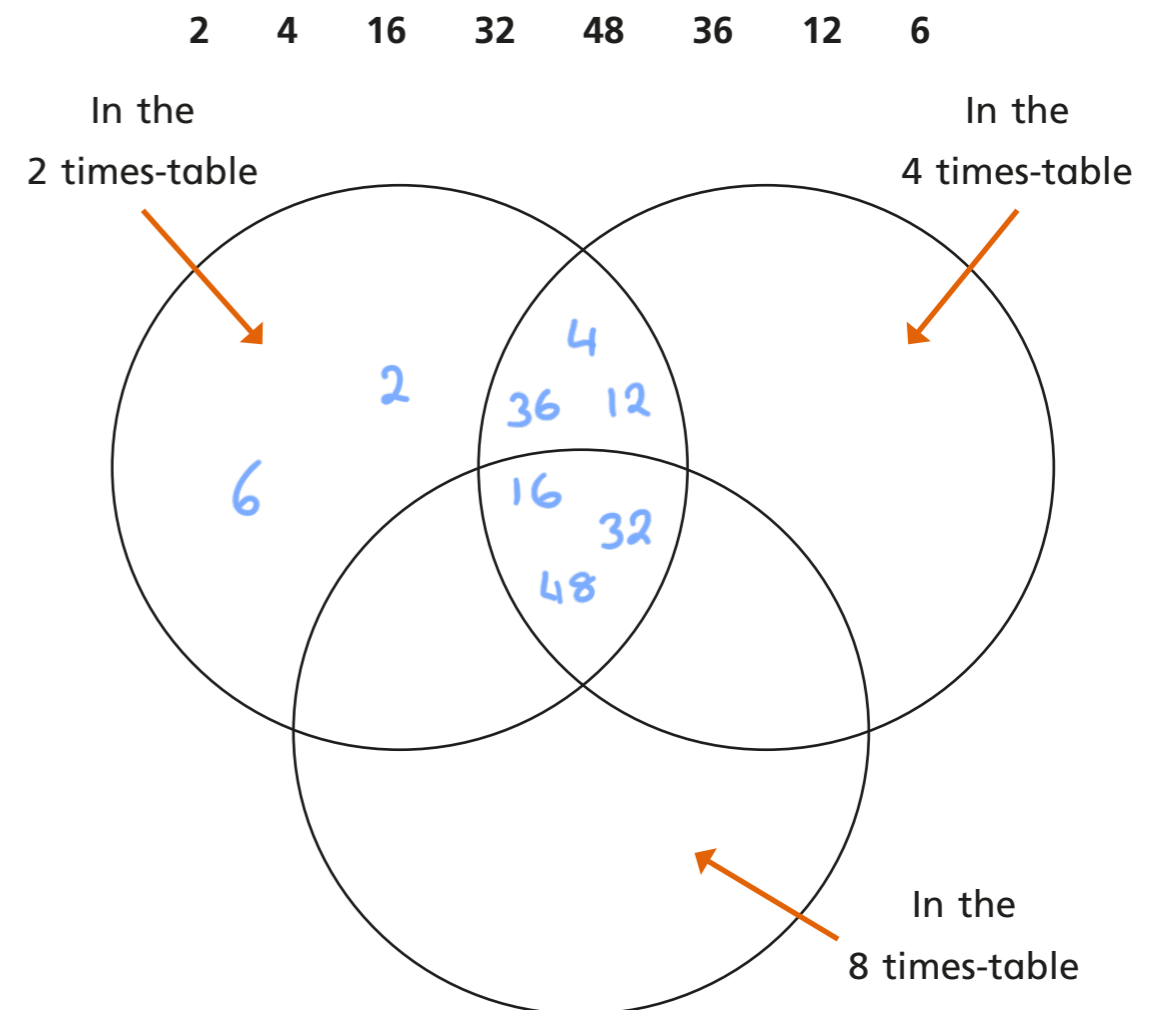
Each boat is full.

How many people are on the lake?

72



8 Put the numbers into the sorting diagram.



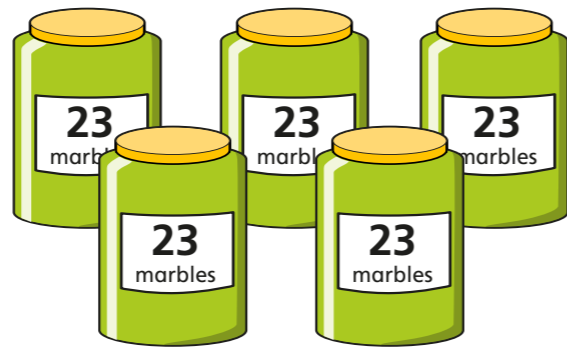
Are any of the parts empty? Why?

Talk about it with a partner.



# Multiply 2-digits by 1-digit (2)

- 1 There are 23 marbles in a jar.  
There are 5 jars.



Tens	Ones

How many marbles are there in total?

$$5 \times 3 \text{ ones} = 15$$

$$5 \times 2 \text{ tens} = 100$$

$$15 + 100 = 115$$

$$5 \times 23 = 115$$

There are 115 marbles in total.

- 2 Work out  $4 \times 15$

Tens	Ones

$$4 \times 5 = 20$$

$$4 \times 10 = 40$$

$$4 \times 15 = 60$$

- 3 Complete the multiplications.

$$\text{a) } 4 \times 24 = 96$$

$$\text{b) } 3 \times 17 = 51$$

$$\text{c) } 3 \times 25 = 75$$

$$\text{d) } 34 \times 4 = 136$$

- 4 Complete the column multiplications.

Tens	Ones

		T	O	
		2	4	
	x		3	
		<u>72</u>		
		1		

Tens	Ones
10 10 10	1 1 1 1 1
10 10 10	1 1 1 1 1
10 10 10	1 1 1 1 1
10 10 10	1 1 1 1 1

		T	O	
		3	5	
	x		4	
		1	4	0
			2	

5 Work out the multiplications.

a)  $25 \times 5$

		T	O	
		2	5	
	x		5	
		1	2	5
			2	

c)  $5 \times 26$

		T	O	
		2	6	
	x		5	
		1	3	0
			3	

b)  $35 \times 6$

		T	O	
		3	5	
	x		6	
		2	1	0
			3	

d)  $4 \times 36$

		T	O	
		3	6	
	x		4	
		1	4	4
			2	



6 Tommy works out  $37 \times 2$

		T	O	
		3	7	
	x		2	
		6	1	4

		T	O	
		3	7	
	x		2	
		7	4	
			1	

What mistake has Tommy made? Work out the correct answer.

7 Find the missing numbers.

		2	2	
	x		4	
		8	8	

		3	1	
	x		4	
		1	2	4

8 Here are some digit cards. 1 2 3 4 5 8

a) Use the digit cards to create a multiplication and work out the answer.

E.g. 3 2  $\times$  5 = 160

b) Work with a partner to find calculations that have:

- an odd product
- an even product
- an exchange in the ones column
- an exchange in the ones and tens columns.

# Divide 2-digits by 1-digit (2)

1 Rosie has 56 pencils.

a) Draw base 10 to represent the pencils.



Rosie shares the 56 pencils equally between 4 pots.

b) Draw base 10 on the place value grid to share the pencils.

Tens	Ones
	• • • •
	• • • •
	• • • •
	• • • •

c) How many pencils are in each pot?

14

d) Did you have to make an exchange?



2 Eva has this money.



She wants to share the money equally between 3 people.

a) Use the place value chart to show how Eva can share the money.

Tens	Ones
£10	£1 £1 £1 £1
£10	£1 £1 £1 £1
£10	£1 £1 £1 £1

b) How much money does each person get?

£14

3 Divide 72 by 3



Tens	Ones
10 10	1 1 1 1
10 10	1 1 1 1
10 10	1 1 1 1

Use the place value counters to help you.

$72 \div 3 = 24$





4 Use base 10 or counters to work out the divisions.

a)  $45 \div 3 = 15$

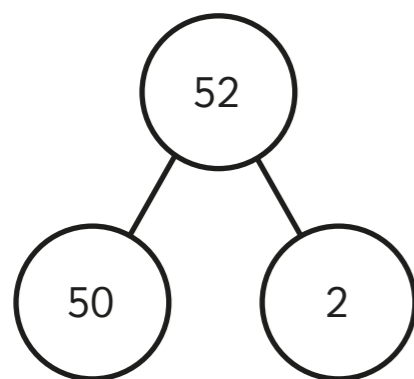
b)  $57 \div 3 = 19$

c)  $92 \div 4 = 23$

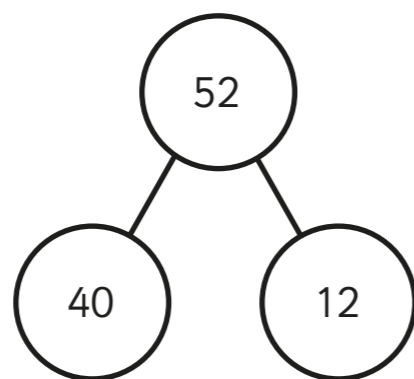
5 Rosie and Tommy are working out  $52 \div 4$

They both use a part-whole model.

Rosie



Tommy



a) Whose part-whole model will help them with the division?

Tommy

How do you know?

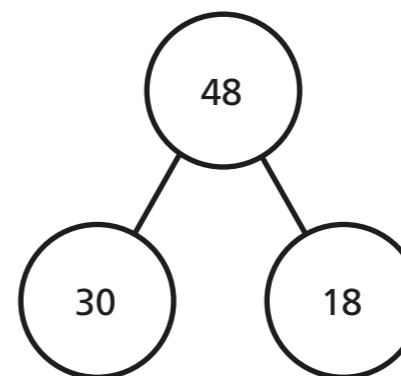
40 and 12 are both divisible by  
4

b) Use a part-whole model to work out  $52 \div 4$

$13$

6 Use the part-whole models to complete the divisions.

a)  $48 \div 3 = 16$

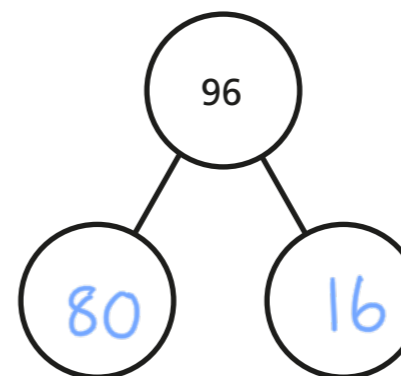


$30 \div 3 = 10$

$18 \div 3 = 6$

$48 \div 3 = 16$

b)  $96 \div 4 = 24$



c)  $65 \div 5 = 13$

d)  $75 \div 3 = 25$

7 Here are 3 divisions.

$96 \div 8$

$96 \div 4$

$96 \div 2$

a) What is the same about the questions? What is different?

b) Complete the divisions.

$96 \div 8 = 12$

$96 \div 4 = 24$

$96 \div 2 = 48$

c) What do you notice? Talk about it with a partner.

# Scaling

1 Aisha has some fruit.



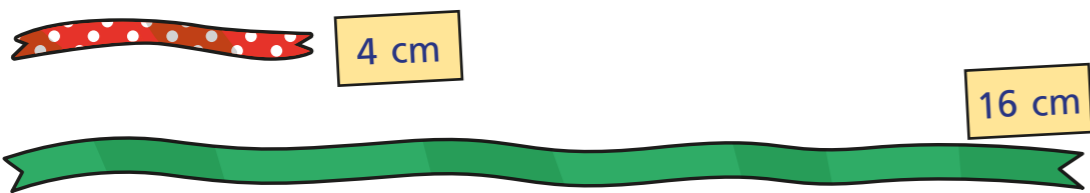
Complete the sentences to describe the fruit.

There are  apples.

There are  strawberries.

There are  times as many strawberries as apples.

2 Huan is comparing 2 pieces of ribbon.



Complete the sentences to describe the ribbon.

The spotty ribbon measures

The plain ribbon measures

The plain ribbon is  times as long as the spotty ribbon.

3 Match the bar models to the statements.  
Write the missing statement.

girls

boys

There are 4 times as many boys as girls.

girls

boys

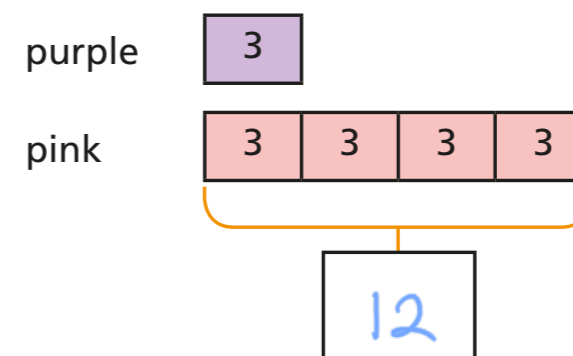
There are 3 times as many boys as girls.

girls

boys

There are 5 times as many boys as girls.

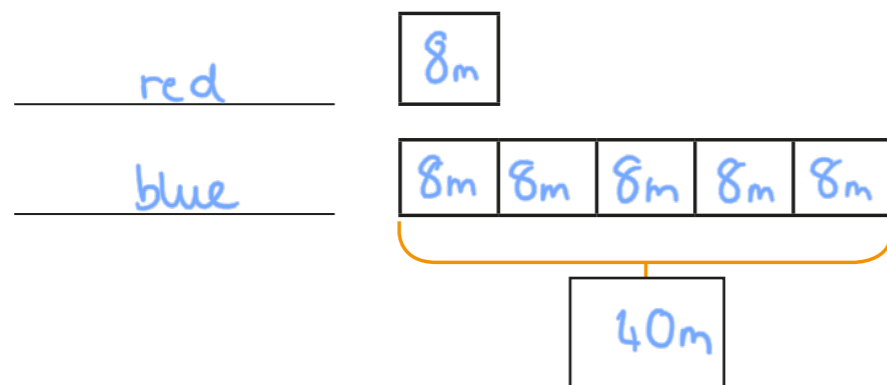
4 There are 3 purple balloons.  
There are 4 times as many pink balloons.  
Complete the bar model to show how many pink balloons there are.



- 5 The red rope is 8 m long.

The blue rope is 5 times as long.

a) Label and complete the bar model.



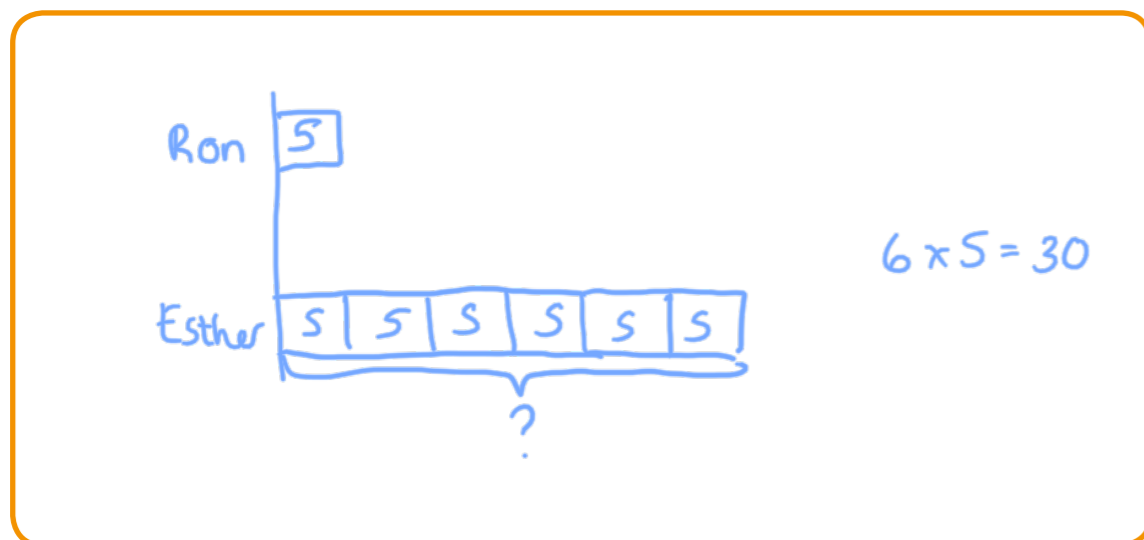
b) How long is the blue rope?

The blue rope is  m long.

- 6 Ron has 5 bananas.

Esther has 6 times as many bananas as Ron.

Draw a bar model to work out how many bananas Esther has got.



Esther has got  bananas.

- 7 Complete the sentences.

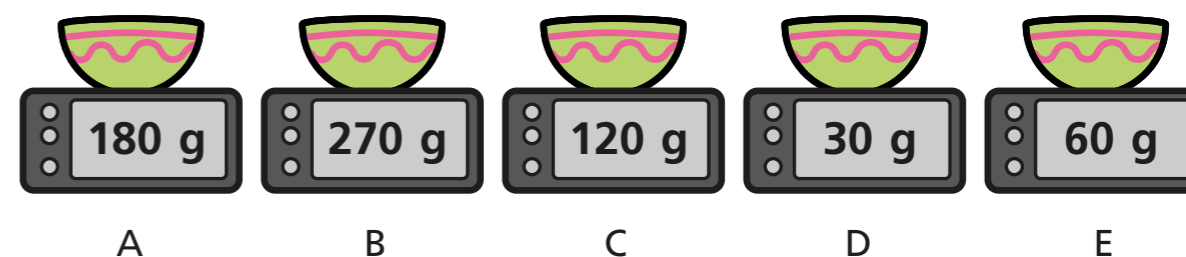
45 is  times greater than 5

$$\boxed{9} \times 5 = 45$$

5 is  times smaller than 45

$$45 \div 5 = \boxed{9}$$

- 8 The children are weighing out flour.



Use the clues to work out which child used which scales.

- Eva has twice as much as Alex.
- Dexter has 9 times as much as Alex.
- Annie has 3 times as much as Eva.
- Tommy has twice as much as Eva and 4 times as much as Alex.

	Alex	Eva	Dexter	Annie	Tommy
Scales	D	E	B	A	C

