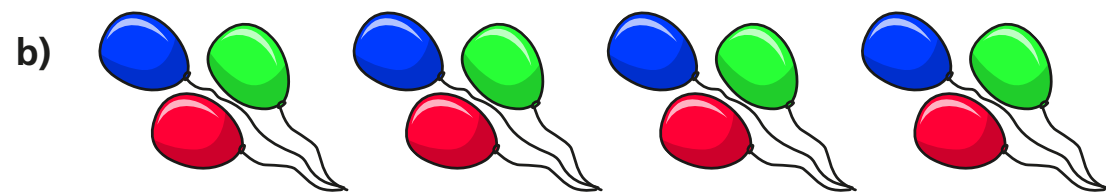


1 Complete the multiplication.



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



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

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

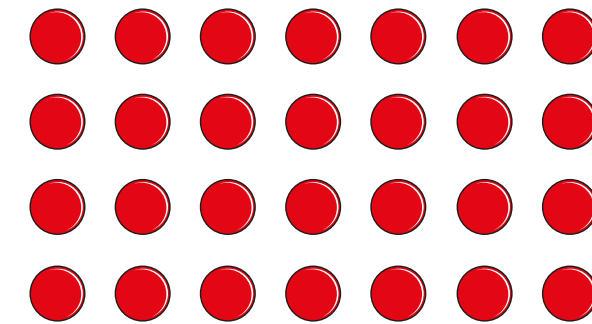
k) $\boxed{20} \div 4 = 5$

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) $4 \div 4$ $<$ 4×4
 b) 36 $>$ $40 \div 4$ e) 1×4 $=$ 4×1
 c) $16 \div 4$ $<$ 4×4 f) 4×2 $=$ $32 \div 4$

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

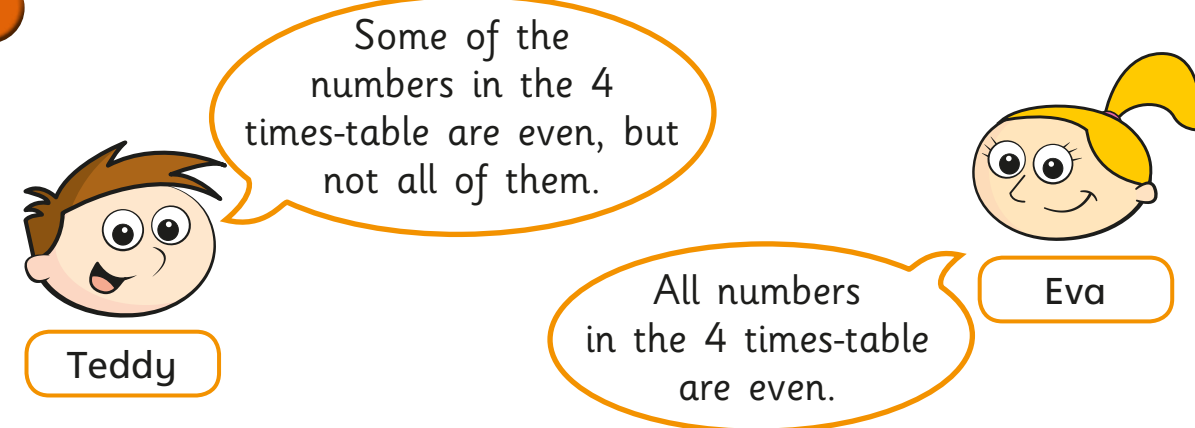
8 The pictogram shows the animals a group of children have as pets.

Complete the pictogram.

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

= 4 animals

9



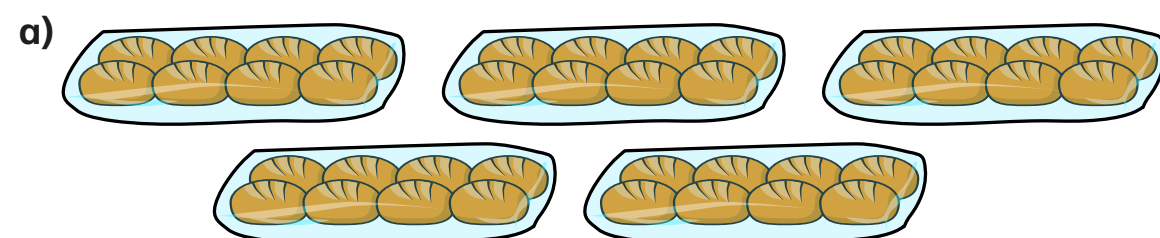
Who is correct? Eva

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

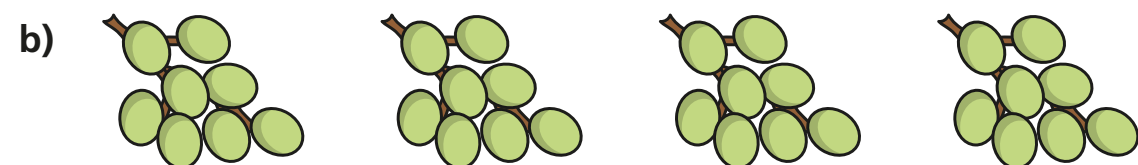
The 8 times-table

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.

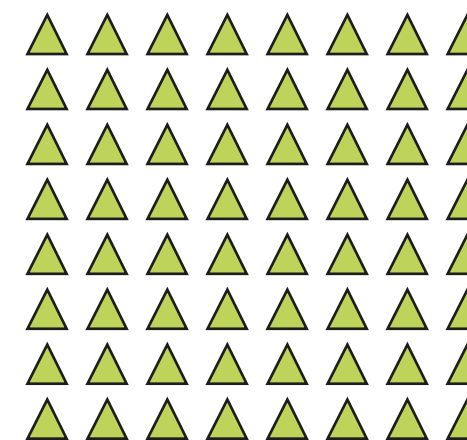
a)

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

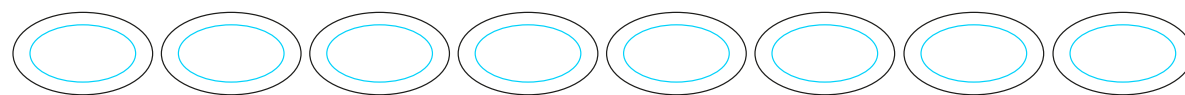
c) $10 \times 8 = \boxed{80}$

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) $8 = 8 \times 1$

$4 \times 8 = 32$

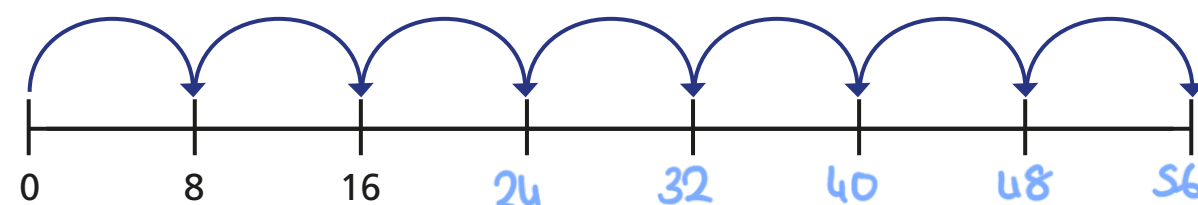
$16 = 8 \times 2$

$8 \times 8 = 64$

$32 = 8 \times 4$

What patterns do you notice?

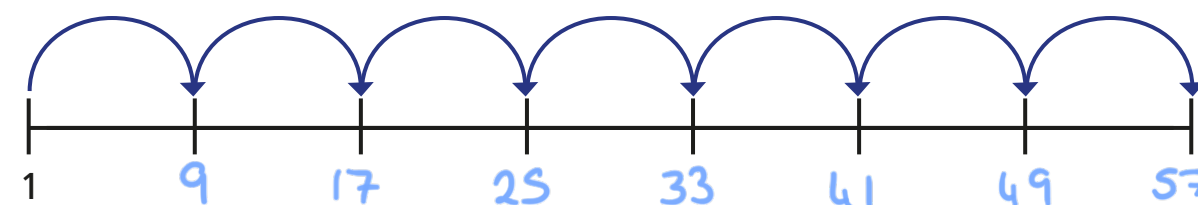
- 7 a) Amir draws 7 jumps of 8 on a number line.



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.

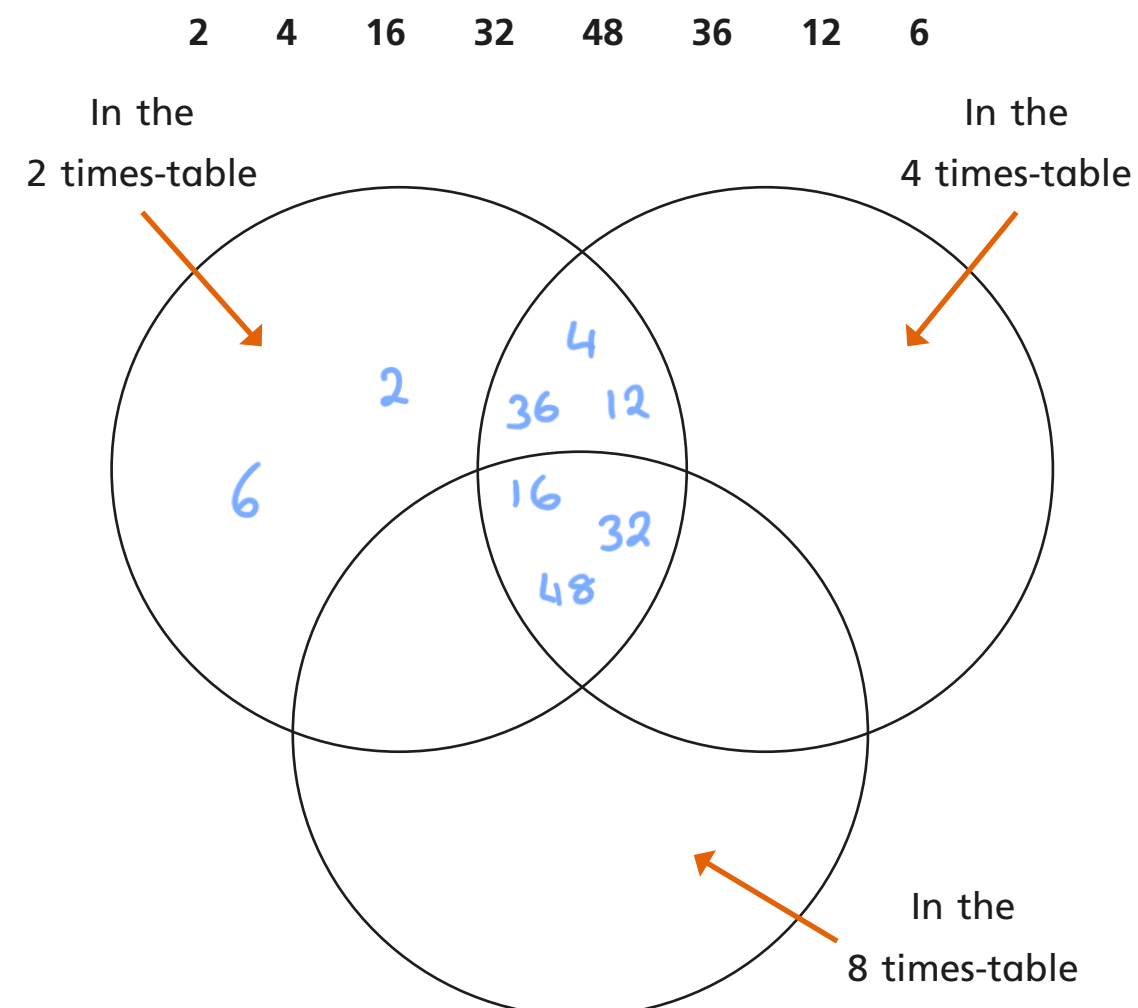
Each boat is full.

How many people are on the lake?

72



- 8 Put the numbers into the sorting diagram.

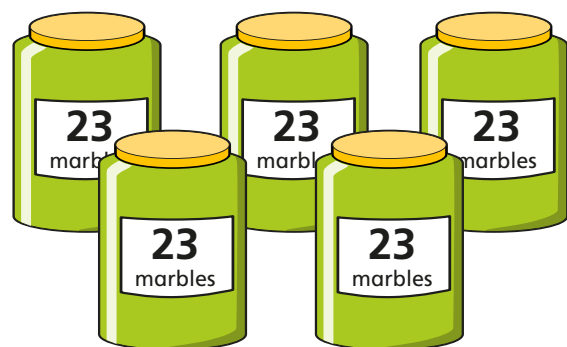


Are any of the parts empty? Why?

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 4×15

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	
		7	2	
		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	
				4	
	x				
			1	4	0
				2	



5 Work out the multiplications.

a) 25×5

			T	O	
			2	5	
				5	
	x				
			1	2	5
				2	

c) 5×26

			T	O	
			2	6	
				5	
	x				
			1	3	0
				3	

b) 35×6

			T	O	
			3	5	
				6	
	x				
			2	1	0
				3	

d) 4×36

			T	O	
			3	6	
				4	
	x				
			1	4	4
				2	

6 Tommy works out 37×2

			T	O	
			3	7	
				2	
	x				
			6	1	4

			T	O	
			3	7	
				2	
	x				
			7	4	
				1	

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

7 Find the missing numbers.

			2	2	
				4	
	x				
			8	8	

			3	1	
				4	
	x				
			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. $\boxed{3} \boxed{2} \times \boxed{5} = \boxed{160}$

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

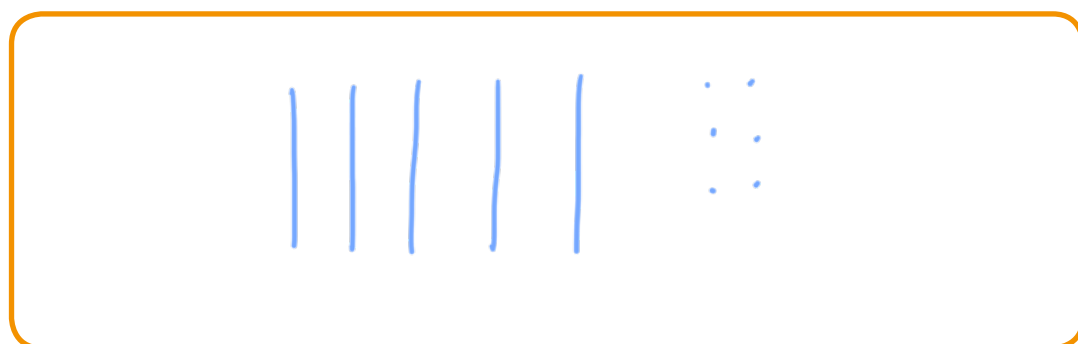
- an odd product
- an even product
- an exchange in the ones column
- an exchange in the ones and tens columns.

Friday's Answers

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

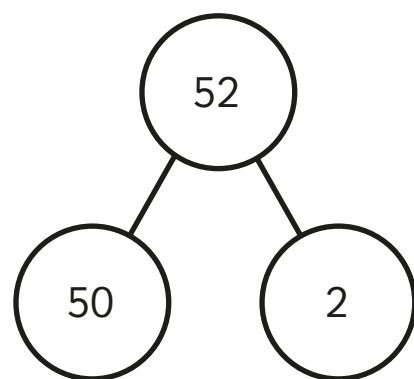
b) $57 \div 3 =$ 19

c) $92 \div 4 =$ 23

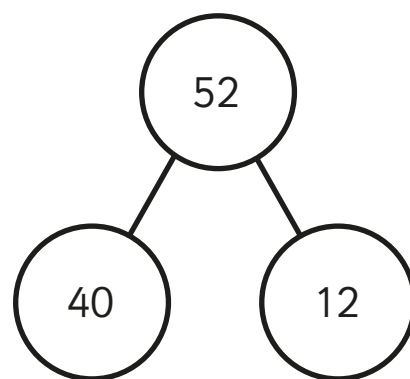
5 Rosie and Tommy are working out $52 \div 4$

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?

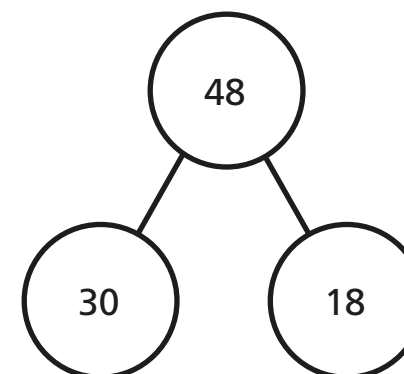
40 and 12 are both divisible by 4

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

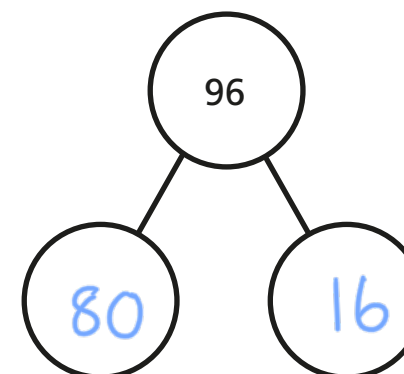


$30 \div 3 =$ 10

$18 \div 3 =$ 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.