The 4 times-table

1 Complete the multiplication.

a)

☐ × ☐ = ☐

b)

☐ × ☐ = ☐

2 Complete the number sentences.

a) 6 × 4 = ☐

b) 4 × 3 = ☐

c) ☐ = 7 × 4

d) 4 × ☐ = 48

e) 0 × 4 = ☐

f) 4 × 9 = ☐

g) 24 ÷ 4 = ☐

h) 8 ÷ 4 = ☐

i) 0 ÷ 4 = ☐

j) ☐ ÷ 11 = 4

k) ☐ ÷ 4 = 5

l) 1 × 4 = ☐

3 What multiplication and division statements does the array represent?

Complete the statements.

☐ × ☐ = ☐

☐ × ☐ = ☐

☐ ÷ ☐ = ☐

☐ ÷ ☐ = ☐
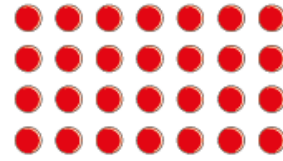
4 Complete the number sentences.

a) 2 × 4 = ☐

4 × 4 = ☐

8 × 4 = ☐

b) 8 = 4 × ☐

16 = 4 × ☐

32 = 4 × ☐

c) 3 × 4 = ☐

3 × 8 = ☐

3 × 12 = ☐

What patterns do you notice?

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

a) 48 ÷ 12 ◯ 4

b) 36 ◯ 40 ÷ 4

c) 16 ÷ 4 ◯ 4 × 4

d) 4 ÷ 4 ◯ 4 × 4

e) 1 × 4 ◯ 4 × 1

f) 4 × 2 ◯ 32 ÷ 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

☐

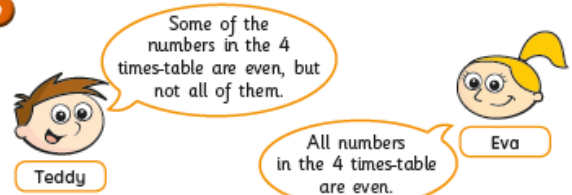**8** The pictogram shows the animals a group of children have as pets.

Complete the pictogram.

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

◯ = 4 animals

9

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

Teddy

All numbers in the 4 times-table are even.

Eva

Who is correct? _____

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

The 8 times-table

1 How many are there in total?

Complete the multiplications.

a)

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

b)

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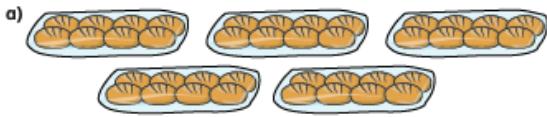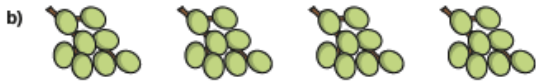
2 Complete the number tracks.

a)

0	8	16	24			

b)

96	88	80				
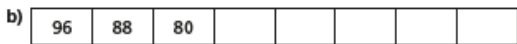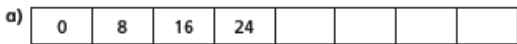
5 What multiplication can you see?

6 Complete the multiplications.

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

$4 \times 8 = \boxed{}$ $16 = 8 \times \boxed{}$

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

What patterns do you notice?

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

0   8   16
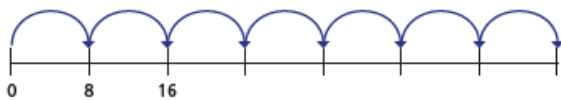
What number does Amir end on? $\boxed{}$

Explain how you worked it out.

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

1
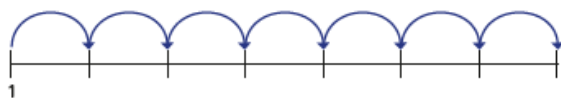
What number does Amir end on this time? $\boxed{}$

Explain how you know.

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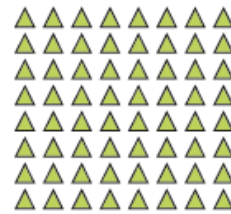
a) What multiplication sentence can you see?

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

b) What division sentence can you see?

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

4 Complete the calculations.

Try to do the calculations in your head.

a) $6 \times 8 = \boxed{}$ e) $72 \div 8 = \boxed{}$

b) $8 \times \boxed{} = 56$ f) $\boxed{} \div 11 = 8$

c) $10 \times 8 = \boxed{}$ g) $\boxed{} \div 8 = 5$

d) $\boxed{} = 8 \times 4$ h) $8 \times 1 = \boxed{}$

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?

$\boxed{}$

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
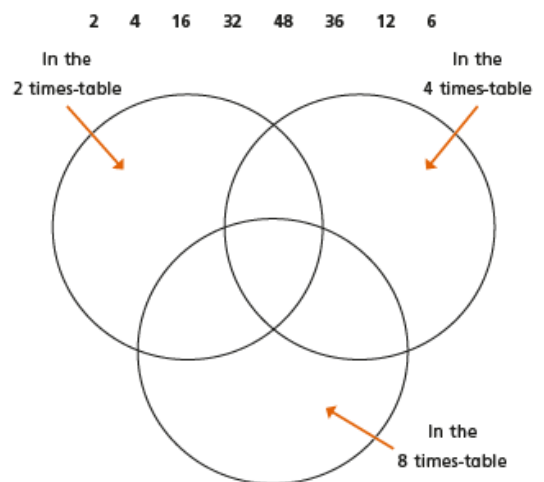
Are any of the parts empty? Why?

Talk about it with a partner.

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 × 3 ones = ☐

5 × 2 tens = ☐

☐ + ☐ = ☐

5 × 23 = ☐

There are ☐ marbles in total.

Tens	Ones

	T	O
	3	5
×		4

5 Work out the multiplications.

a) 25 × 5

	T	O
	2	5
×		5

c) 5 × 26

b) 35 × 6

	T	O
	3	5
×		6

d) 4 × 36

2 Work out 4 × 15

Tens	Ones

4 × 5 = ☐

4 × 10 = ☐

4 × 15 = ☐

3 Complete the multiplications.

a) 4 × 24 = ☐

b) 3 × 17 = ☐

c) 3 × 25 = ☐

d) 34 × 4 = ☐

4 Complete the column multiplications.

Tens	Ones

	T	O
	2	4
×		3

6 Tommy works out 37 × 2

		T	O
		3	7
×			2
	6	1	4

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

7 Find the missing numbers.

		2	2
×			
		8	8

			1
×			
	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.

☐☐ × ☐ = ☐

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? [ ]

d) Did you have to make an exchange?

4 Use base 10 or counters to work out the divisions.
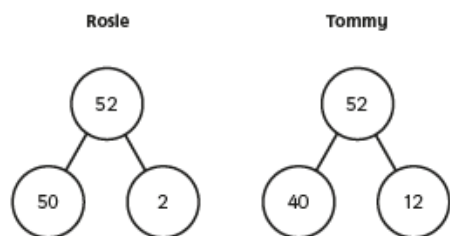
a) $45 \div 3 =$ [ ]

b) $57 \div 3 =$ [ ]

c) $92 \div 4 =$ [ ]

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

They both use a part-whole model.

Rosie
52 → 50, 2

Tommy
52 → 40, 12

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

_____

How do you know?

_____

_____

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

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

b) How much money does each person get? [ ]

3 Divide 72 by 3

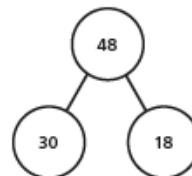| Tens	Ones

Use the place value counters to help you.

$72 \div 3 =$ [ ]

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

a) $48 \div 3 =$ [ ]
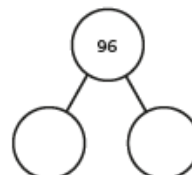
48 → 30, 18

$30 \div 3 =$ [ ]

$18 \div 3 =$ [ ]

$48 \div 3 =$ [ ]

b) $96 \div 4 =$ [ ]   c) $65 \div 5 =$ [ ]

96 →

d) $75 \div 3 =$ [ ]

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.

$96 \div 8 =$ [ ] $96 \div 4 =$ [ ] $96 \div 2 =$ [ ]

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.

4 cm

16 cm

Complete the sentences to describe the ribbon.
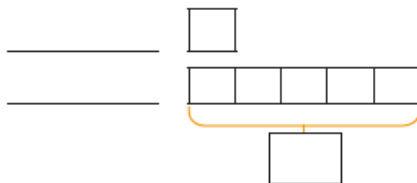
The spotty ribbon measures ☐

The plain ribbon measures ☐

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

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?

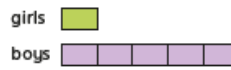The blue rope is ☐ m long.

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.

3 Match the bar models to the statements.

Write the missing statement.

girls

boys

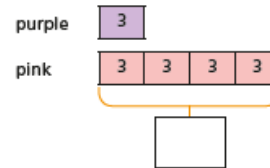> There are 4 times as many boys as girls.

girls

boys

> There are 3 times as many boys as girls.

girls

boys

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.

purple | 3

pink | 3 | 3 | 3 | 3

7 Complete the sentences.

45 is ☐ times greater than 5

☐ × 5 = 45

5 is ☐ times smaller than 45

45 ÷ 5 = ☐

8 The children are weighing out flour.

| 180 g | 270 g | 120 g | 30 g | 60 g |
| A | B | C | D | E |

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					

Friday 12th June 2020   Consolidation day!

TTRS- complete minimum of 5 games. Where will you end up on the leaderboard this week?

These are activities to keep our maths learning 'sticky'. Select at least 2 of the activities below to complete your maths lesson today.

- Numbots
- BBC Bitesize game- [Guardians Defenders of Mathematica](#)
- Maths 2Do activities on Purple Mash

Challenge 1
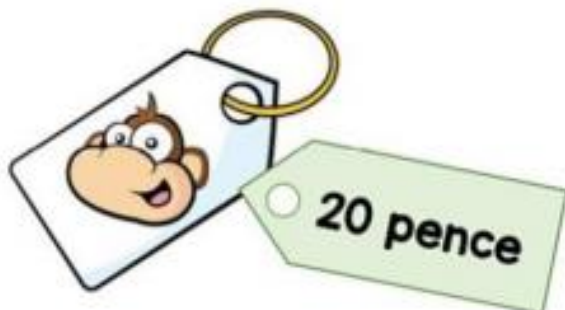
Eric bakes these two trays of muffins.
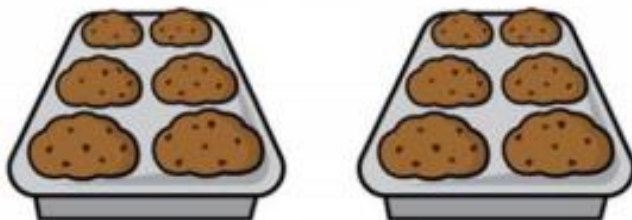
He eats 2 muffins.

His dad eats 3 muffins.

His sister eats 4 muffins.

How many muffins does he have left?

Challenge 2

Lola buys this key ring.

20 pence

Her mum givers a quarter of the money.

She pays for the rest herself.

How much does she pay herself?

Challenge 3

This year my age is a multiple of 4

Next year my age will be a multiple of 5

I'm older than 18, but younger than 42

How old is the teacher?