

National curriculum tests

Key Stage 1

Mathematics

Paper 1: arithmetic

First name	
Middle name	
Last name	

PRACTICE TEST C

TheSchoolRun's practice tests are similar in format and style to a typical KS1 SATs paper. They do not include any official questions and they are not endorsed by any official examining body.

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Total marks	
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KS1 SATs

Maths arithmetic

TheSchoolRun practice papers

Paper 1: instructions

It is expected the test will take 20 minutes to complete, but it is not strictly timed.

Allow your child a break if you feel they need it at any point.

Your child will need a blue / black pen or a dark pencil. You may allow them to have a rubber, but if you would rather not, explain to them that they need to cross out any wrong answer and write the new answer clearly next to it.

Your child is not allowed any other equipment assistance (a calculator, a ruler, number squares or number lines) during this test.

You must not help your child with any of the questions, but you may read a question out loud if this helps them.

First, read the practice question out loud to them. Give them some time to write the answer down.

Tell your child to try to answer all the questions.

They can use the space on the paper for working out.

If they can't answer a question, it is better to leave it, go on to the next one and then come back to it later.

There are a total of 25 questions, each worth one mark, on Paper 1.



Practice question

$4 + 3 =$



1

$5 + 3 =$



2

$14 - 4 =$



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3

$$58 + 10 =$$



4

$$19 - 3 =$$



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5

$$12 + 4 + 2 =$$



6

$$38 - 5 =$$



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7

$$+ 5 = 7$$



8

$$37 + 6 =$$



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9

$$5 + 2 + 4 =$$



10

$$21 + 59 =$$



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11

$$68 - 20 =$$



12

$$80 - \boxed{} = 50$$



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13

$9 \times 10 =$



14

$5 \times 9 =$



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15

$2 \times 8 =$



16

$12 \div 2 =$



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17

$$30 \div 5 =$$



18

$$\frac{1}{4} \text{ of } 24 =$$



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19

$38 + 54 =$



20

$65 - 31 =$



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21

$$\frac{1}{2} \text{ of } 30 =$$



22

$$90 - 14 =$$



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23

$$78 + \boxed{} = 99$$



24

$$\frac{1}{3} \text{ of } 21 = \boxed{}$$



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25

$$\frac{3}{4} \text{ of } 24 =$$



END OF TEST



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Answers

Practice question

	$4 + 3 =$	<div>7</div>	
--	-----------	--------------	--

1

	$5 + 3 =$	<div>8</div>	
--	-----------	--------------	--

2

	$14 - 4 =$	<div>10</div>	
--	------------	---------------	--

3

	$58 + 10 =$	<div>68</div>	
--	-------------	---------------	--



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4

$$19 - 3 = 16$$

5

$$12 + 4 + 2 = 18$$

6

$$38 - 5 = 33$$

7

$$2 + 5 = 7$$

8

$$37 + 6 = 43$$



9

$$5 + 2 + 4 = 11$$

10

$$21 + 59 = 80$$

11

$$68 - 20 = 48$$

12

$$80 - 30 = 50$$

13

$$9 \times 10 = 90$$

14

	$5 \times 9 =$	45	
--	----------------	----	--

15

	$2 \times 8 =$	16	
--	----------------	----	--

16

	$12 \div 2 =$	6	
--	---------------	---	--

17

	$30 \div 5 =$	6	
--	---------------	---	--

18

	$\frac{1}{4}$ of 24 =	6	
--	-----------------------	---	--



19

$$38 + 54 = 92$$

20

$$65 - 31 = 34$$

21

$$\frac{1}{2} \text{ of } 30 = 15$$

22

$$90 - 14 = 76$$

23

$$78 + 21 = 99$$

24

	$\frac{1}{3}$ of 21 = <input type="text" value="7"/>	
--	--	--

25

	$\frac{3}{4}$ of 24 = <input type="text" value="18"/>	
--	---	--

END OF TEST



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National curriculum tests

Key Stage 1

Mathematics

Paper 2: reasoning

First name	
Middle name	
Last name	

PRACTICE TEST C

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Total marks	
-------------	--



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KS1 SATs

Maths reasoning

TheSchoolRun practice papers

Paper 2: instructions

This paper should take approximately 35 minutes to complete, but it does not have to be strictly timed.

It is up to you to allow your child to have a break at any point during the test, if you feel they need it.

This paper includes a practice question and 5 aural questions (read out by you for your child to answer on their paper).

After the aural questions, the time for the remainder of the questions should be approximately 30 minutes.

Your child will need a blue / black pen or pencil and a ruler (showing cm and mm). They are not allowed any other equipment.

You must not help your child at all during the test, though you can read a question out loud if they are struggling.

Encourage them to miss out any questions they get really stuck on.

Explain to your child that if they make a mistake, they must cross it out and write their new answer really clearly.

Explain that they can do working out in the white spaces.

There are a total of 35 marks on Paper 2.



Aural questions: instructions

Explain to your child that you are going to start the test by reading some questions out loud to them. Explain that you will read the question twice only, leaving a gap in between.

Explain that you are going to read out the practice question first:

Practice question: Daniel eats half of these sweets. How many has he eaten?

Ask your child to write their answer in the space provided on their answer sheet.

Now read out the following five questions. Repeat each question once only and give your child some time to write their answers:

1. What is 74 subtract 2?

Write your answer in the box

2. If 53 is made up of 50 and 3, what is 48 made up of?

Write your answer in the box

3. Here is a glass of lemonade. How much lemonade do you think is in the glass?

ten centimetres, half a kilogram, three hundred millilitres, four metres

Circle the measurement you think is correct.

4. How much of this shape is shaded?

Write your answer in the box

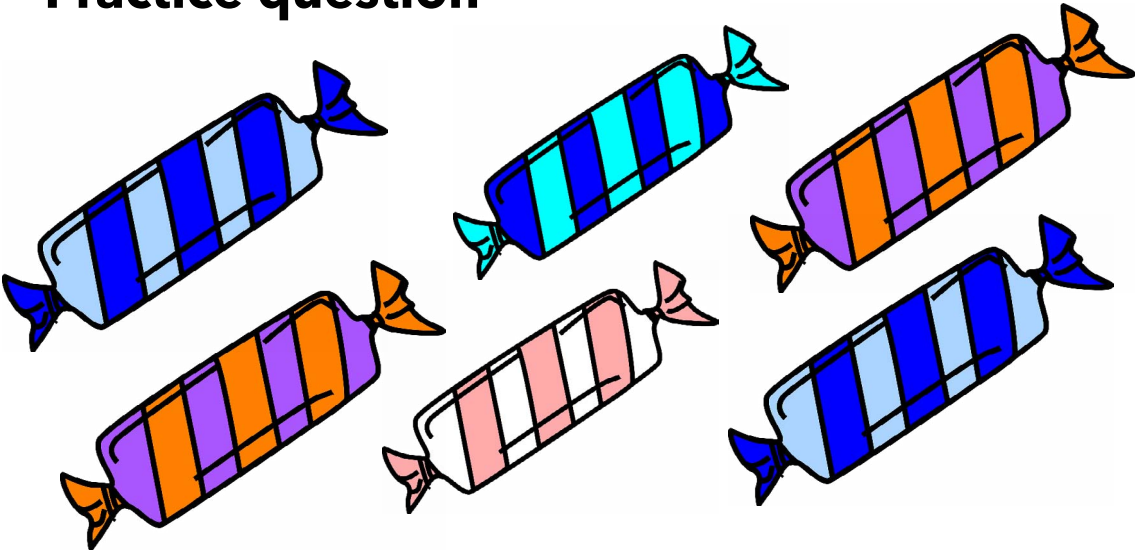
5. One book is 10cm wide. The other book is 30cm wide. How much wider is the second book than the first?

Write your answer in the box.

Now explain to your child that they need to do the rest of the test by themselves.



Practice question



1



2

and

3



10cm half a kg 300ml 4m

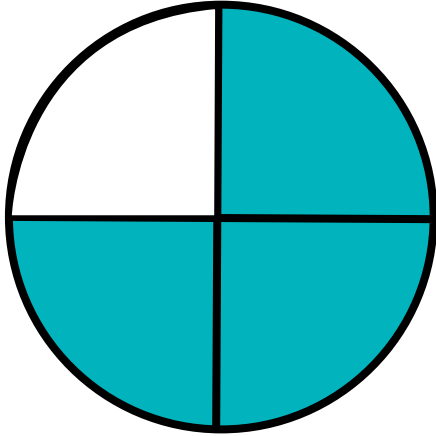
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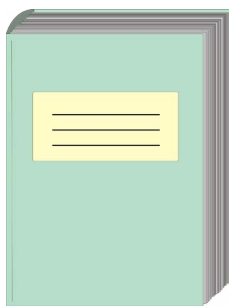
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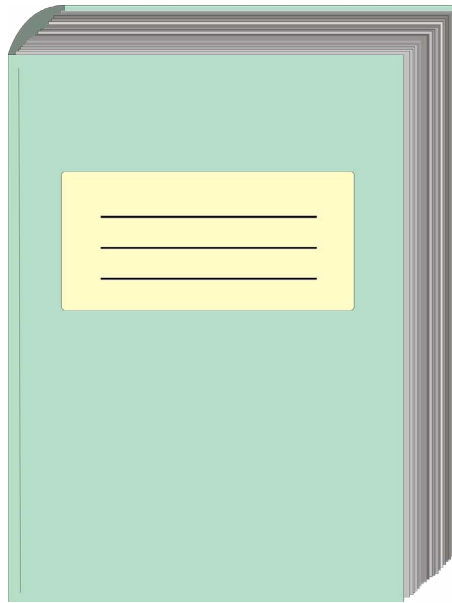
4



5



10cm



30cm

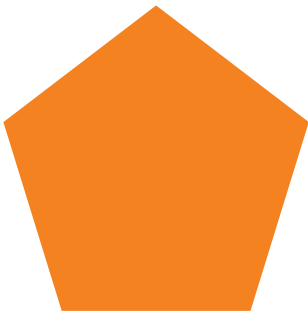
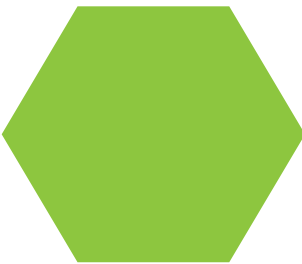




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6

One of these shapes is in the wrong place.
Tick (✓) the shape that is in the wrong place.

Pentagons	Hexagons
 <input type="checkbox"/>	 <input type="checkbox"/>
 <input type="checkbox"/>	 <input type="checkbox"/>

7

Claire has six 2p coins.



How much money does
she have altogether?

 p

8

Complete this table:

Words	Digits
twenty-nine	29
seventy-two	
	48

9

Add the two missing numbers into this pattern:

22, 20, 18, , 14, 12, , 8

10

Use a ruler to measure the width of this pencil.



cm

11

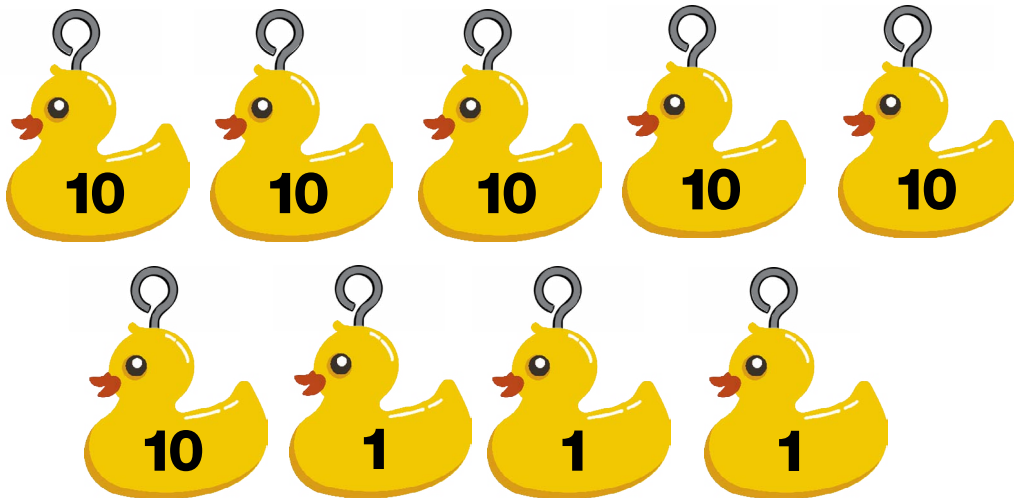
Two of the following numbers are in the wrong place. Draw a cross (x) on each of them.

Even numbers		Odd numbers	
12	34	13	26
86	19	91	83



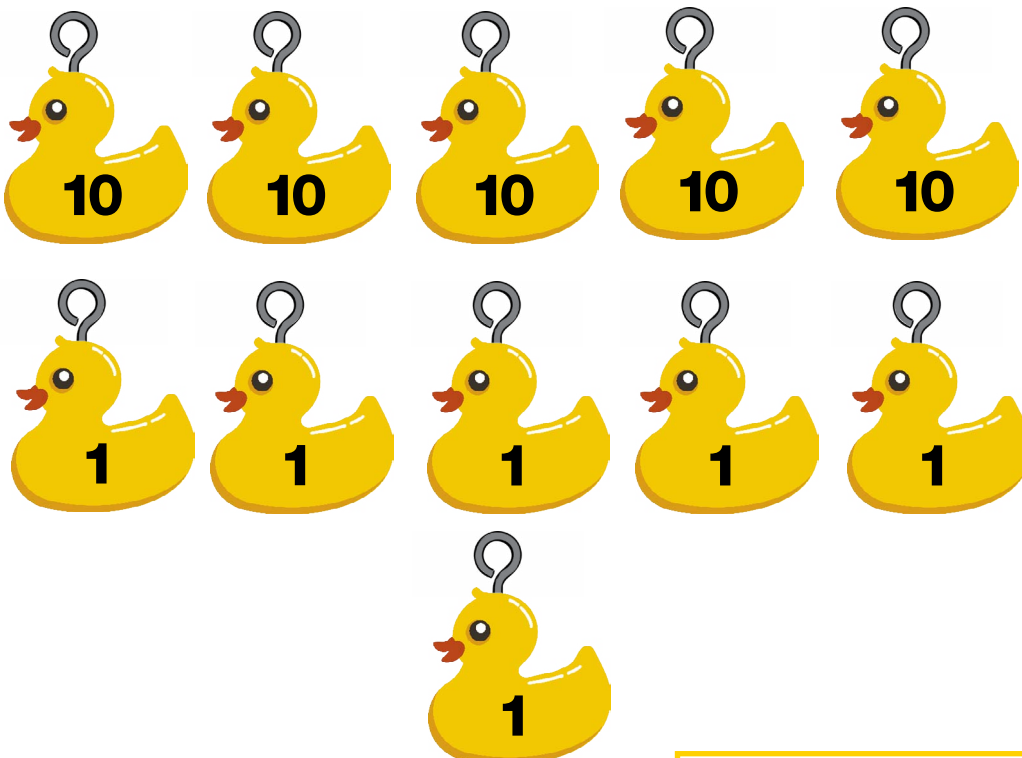
12

At the funfair, George hooked these ducks:




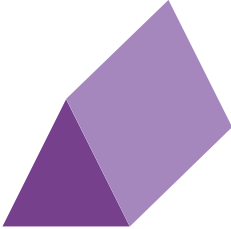


These ducks gave him a score of 63.

Paula hooked these ducks:



What was her score?

- 13** One shape is in the wrong place in the sorting grid. Put a tick (✓) on it:

Shapes with a circle face	Shapes with a triangle face
 <input type="checkbox"/>	 <input type="checkbox"/>
 <input type="checkbox"/>	 <input type="checkbox"/>

- 14** A shop sells these:



Hannah buys all three objects.

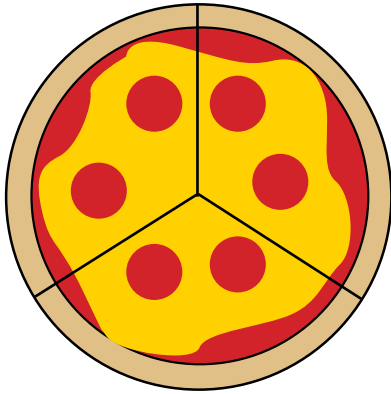
How much does she spend?

 p


15

Sarah has a pizza.
She cuts it into three equal pieces.
She eats one piece.

What fraction has she eaten?

**16**


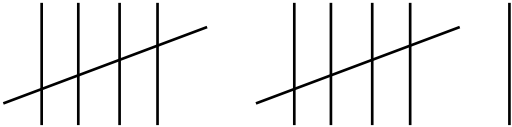

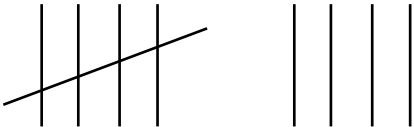

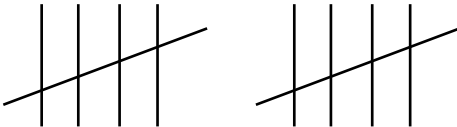

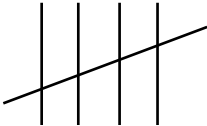
A soft play centre has a ball pool.
There are 80 balls in there in total.
The balls are red, green and yellow.

There are 10 red balls.
There are 50 green balls.
How many yellow balls are there?



17

A class voted for what meal they wanted to eat at school on Friday. These are their results:

Food	Votes
 Pizza	
 Burger	
 Pasta	
 Hot Dog	

a) How many people wanted burgers?



b) How many more people wanted pizza than hot dogs?



18

a) Rosie uses a £1 coin to buy a toy dog. She gets 30p change. How much was the dog?



p



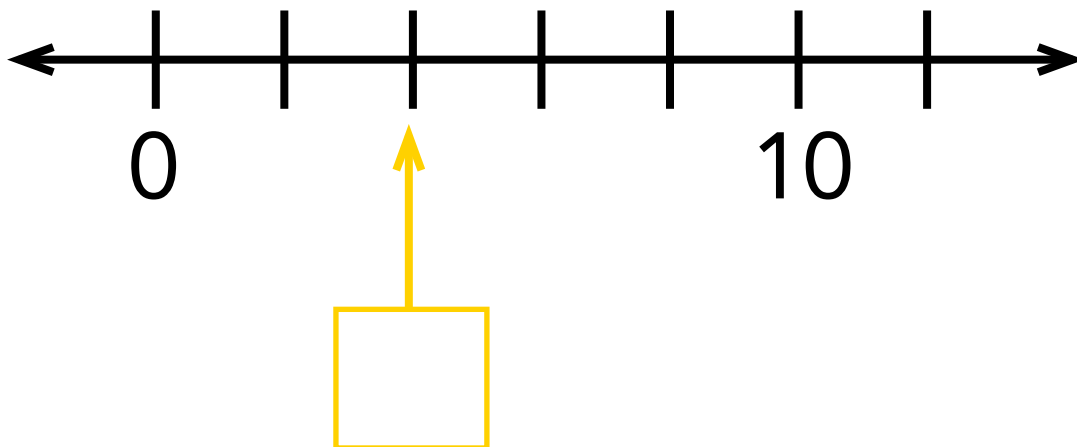
b) She then sees a toy car for 50p. She has these coins in her pocket:



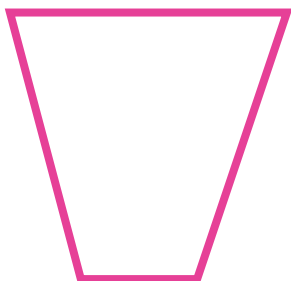
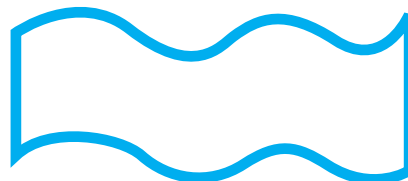
Tick (✓) the coins she could use to pay for the toy car.

19 Look at the number line.

Write the correct number in the box:



20 Only one of these shapes has a line of symmetry. Tick (✓) the shape that has a line of symmetry:

☐☐☐

21

Brian has 20 cakes. He eats 5.
He shares the rest equally between his
five friends.
How many cakes do they have each?

**22**

Look at this number sentence:

$$46 - 12 = 34$$

Which of the following is equivalent to it, written as
an addition number sentence? Tick (✓) it:

$46 + 12 = 34$ ☐

$46 + 34 = 12$ ☐

$12 + 34 = 46$ ☐

$34 + 46 = 12$ ☐



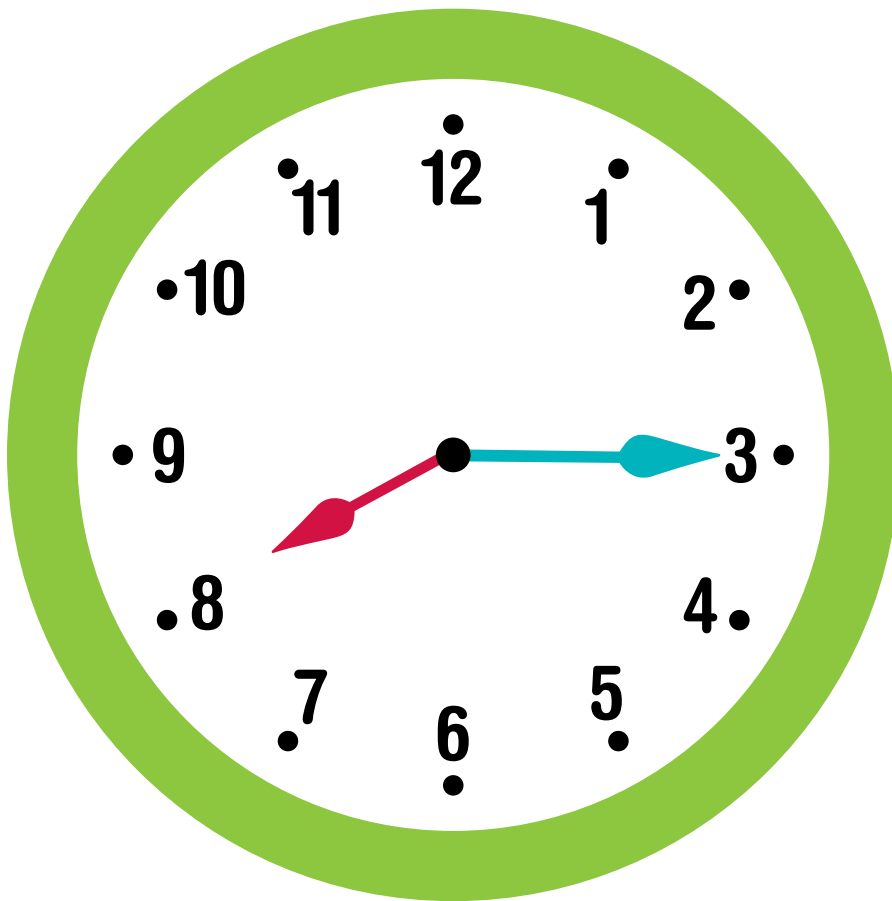
23

Write a digit in each box to make the sum correct:

$$\boxed{2} \boxed{} + \boxed{} = \boxed{3} \boxed{4}$$

**24**

What time will it be in 15 minutes?



Write your answer in the box:



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25

Five children each collect 3 balls at the start of a PE lesson.

Tick the number sentence that matches this:

$$15 \times 3 = 5$$

☐

$$15 \times 5 = 3$$

☐

$$5 \times 3 = 15$$

☐

$$3 + 5 = 8$$

☐**26**

John has 50 marbles.

He gives 15 away.

He loses 23.

How many marbles does he have left?



27

Choose your own numbers to write in the empty boxes:

$$\square < 38$$

$$53 < \square$$

28

Kathy divides 20 sweets equally between 4 party bags.

How many sweets does each party bag contain?



29

There are 18 cows in a field. Half of them are taken to another field by a farmer.



How many are taken to another field?

**30**

Complete the number sentence below:

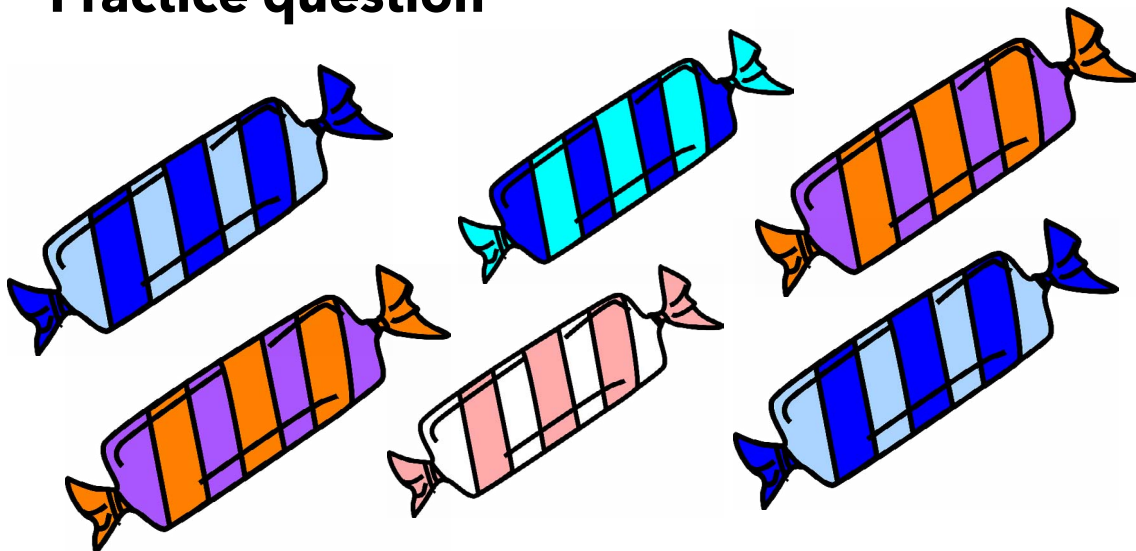
$$5 \times 8 = 10 \times$$



END OF TEST

Answers

Practice question



3

1

72



2

40 and 8

3



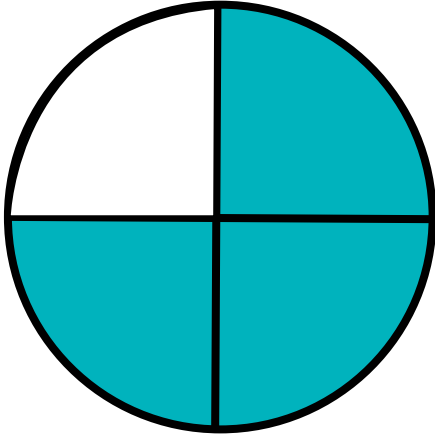
10cm half a kg 300ml 4m



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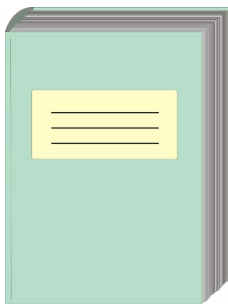
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4

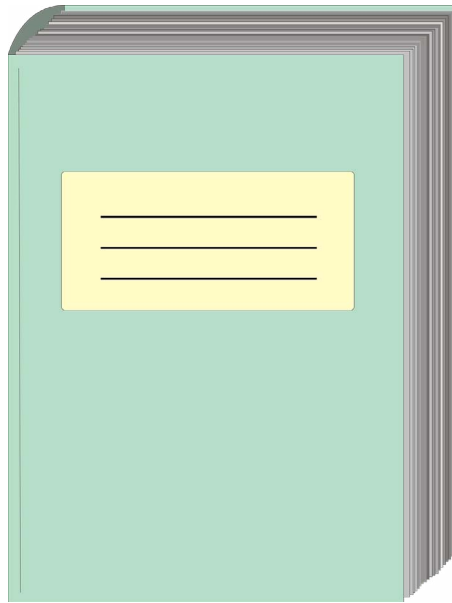


$\frac{3}{4}$

5



10cm



30cm

20 cm

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6

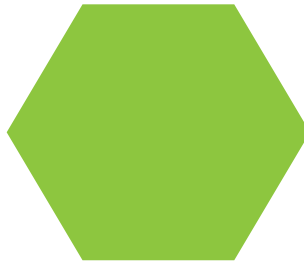
One of these shapes is in the wrong place.
Tick (✓) the shape that is in the wrong place.

Pentagons


☐

☐

Hexagons


☐

☒

7

Claire has six 2p coins.



How much money does
she have altogether?

12_p

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8

Complete this table:

Words	Digits
twenty-nine	29
seventy-two	72
forty-eight	48

9

Add the two missing numbers into this pattern:

22, 20, 18,

16

, 14, 12,

10

, 8

10 Use a ruler to measure the width of this pencil.



(When printed out at A4 paper size.)

1 cm

11 Two of the following numbers are in the wrong place. Draw a cross (x) on each of them.

Even numbers		Odd numbers	
12	34	13	26
86	19	91	83

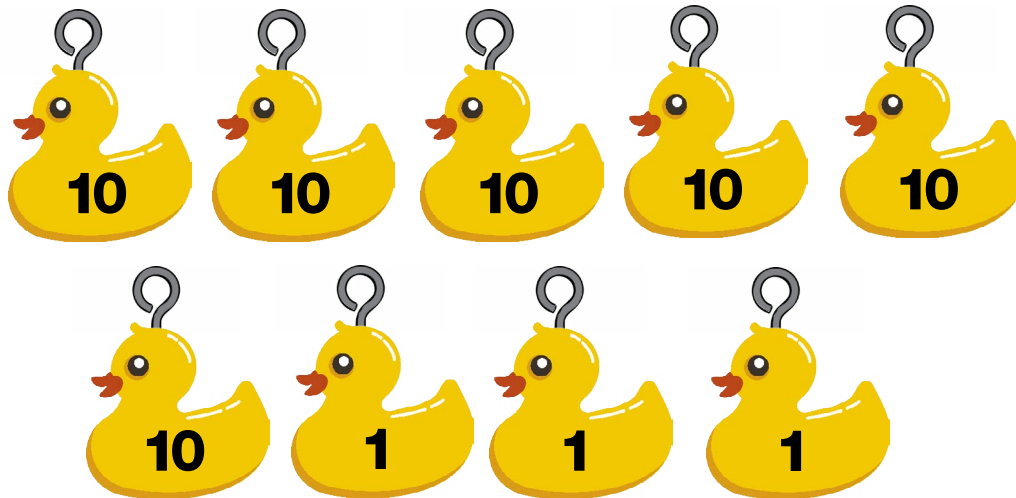


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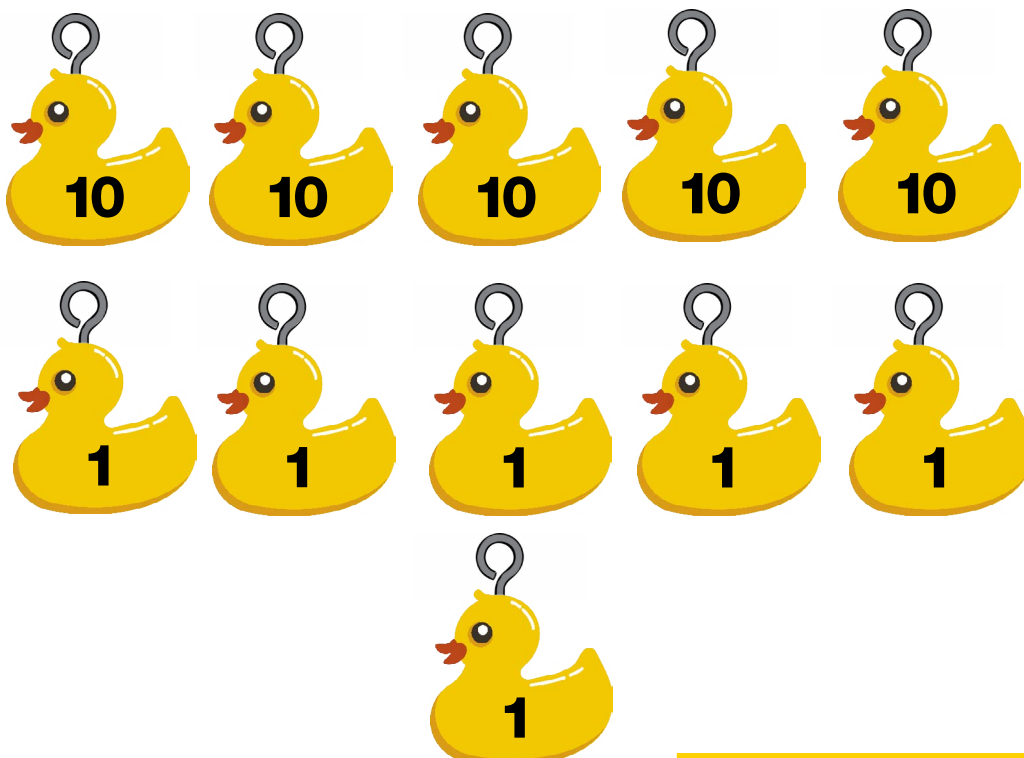
12

At the funfair, George hooked these ducks:



These ducks gave him a score of 63.

Paula hooks these ducks:


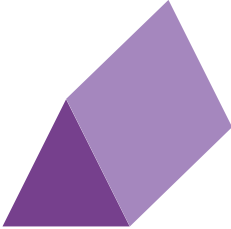




What was her score?

56

13

One shape is in the wrong place in the sorting grid. Put a tick (✓) on it:

Shapes with a circle face	Shapes with a triangle face
 <input type="checkbox"/>	 <input type="checkbox"/>
 <input type="checkbox"/>	 <input checked="" type="checkbox"/>

14

A shop sells these:



Hannah buys all three objects.

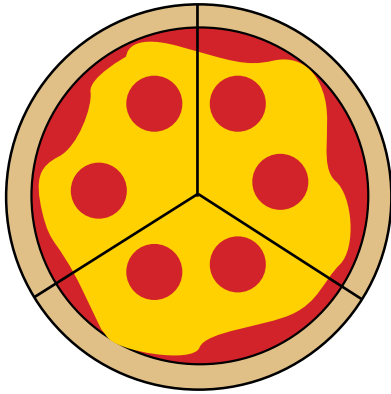
How much does she spend?

80 p

15

Sarah has a pizza.
She cuts it into three equal pieces.
She eats one piece.

What fraction has she eaten?

 $\frac{1}{3}$ **16**

A soft play centre has a ball pool.
There are 80 balls in there in total.
The balls are red, green and yellow.

There are 10 red balls.
There are 50 green balls.
How many yellow balls are there?


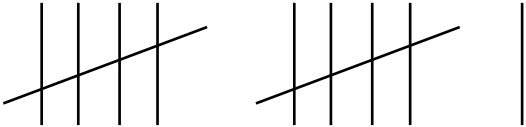

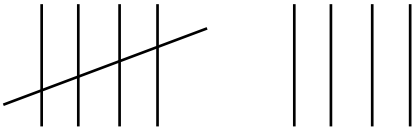

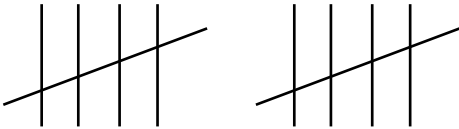

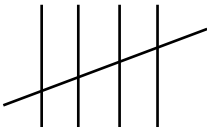
20

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17

A class voted for what meal they wanted to eat at school on Friday. These are their results:

Food	Votes
 Pizza	
 Burger	
 Pasta	
 Hot Dog	

a) How many people wanted burgers?

9



b) How many more people wanted pizza than hot dogs?

6



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18

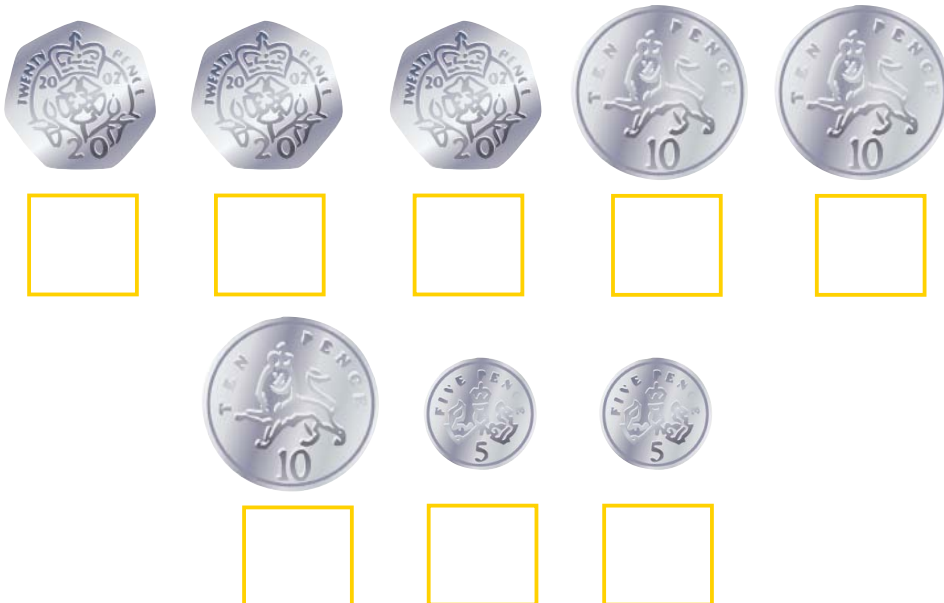
a) Rosie uses a £1 coin to buy a toy dog. She gets 30p change. How much was the dog?



70 p



b) She then sees a toy car for 50p. She has these coins in her pocket:



Any of these combinations ticked:

20p + 20p + 10p

20p + 10p + 10p + 10p

20p + 10p + 10p + 5p + 5p



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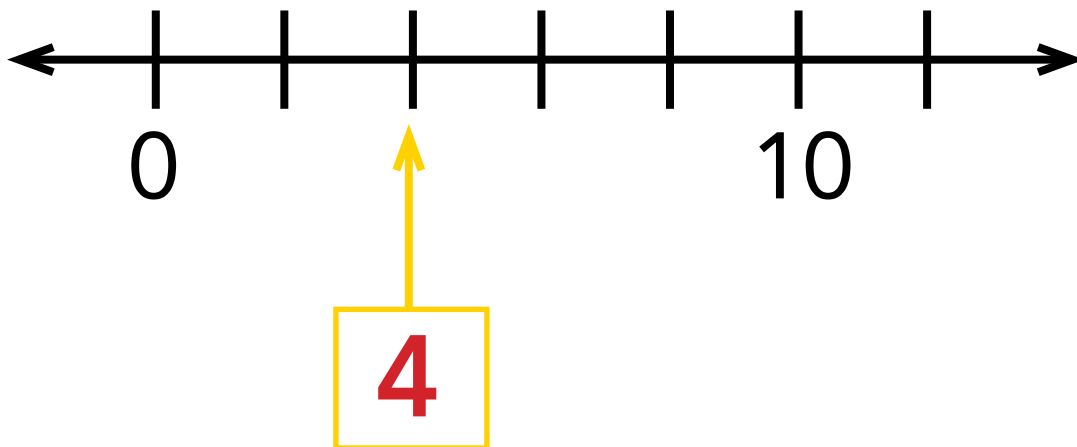
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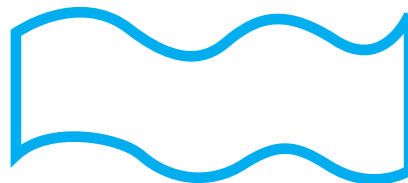
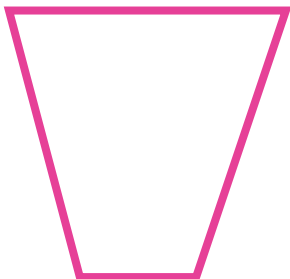
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19 Look at the number line.

Write the correct number in the box:



20 Only one of these shapes has a line of symmetry. Tick (✓) the shape that has a line of symmetry:



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21

Brian has 20 cakes. He eats 5.

He shares the rest equally between his five friends. How many cakes do they have each?

Award 2 marks for the correct answer of 3

Award 1 mark if answer is incorrect, but evidence of appropriate method is shown, for example:

$$20 - 5 = 15$$

$15 \div 5 =$ wrong answer

**22**

Look at this number sentence:

$$46 - 12 = 34$$

Which of the following is equivalent to it, written as an addition number sentence? Tick (✓) it:

$$46 + 12 = 34$$

☐

$$46 + 34 = 12$$

☐

$$12 + 34 = 46$$

☒

$$34 + 46 = 12$$

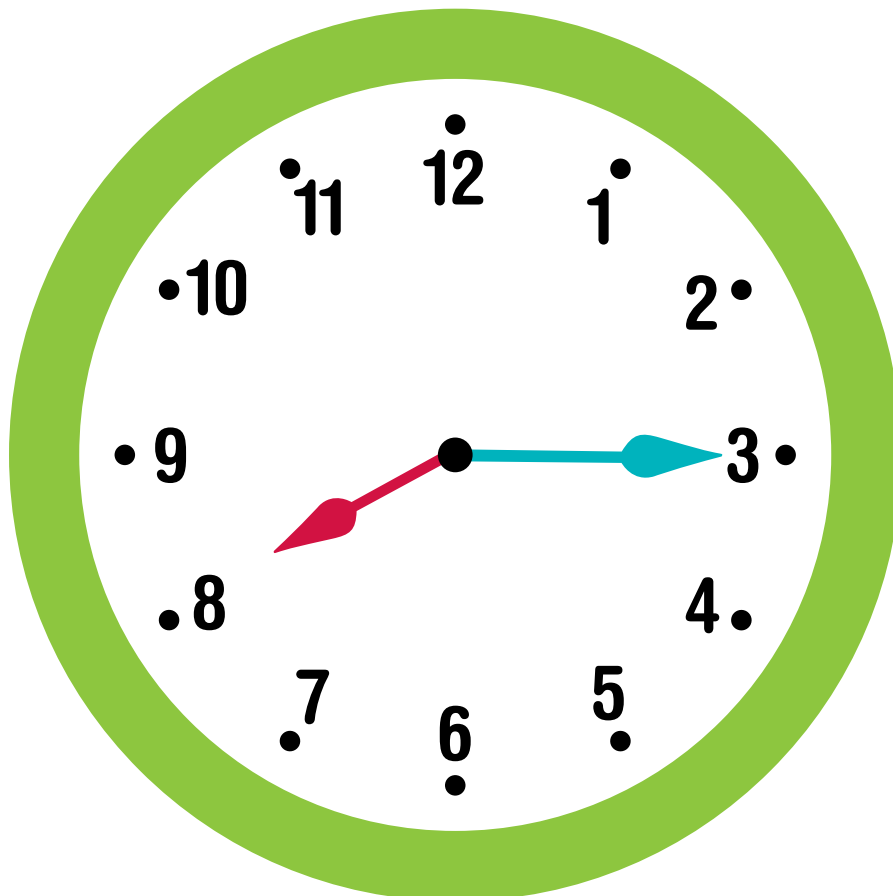
☐

23 Write a digit in each box to make the sum correct:

$$\boxed{2} \boxed{} + \boxed{} = \boxed{3} \boxed{4}$$

Any of the following answers: $28 + 6 = 34$
 $25 + 9 = 34$ $29 + 5 = 34$
 $26 + 8 = 34$
 $27 + 7 = 34$

24 What time will it be in 15 minutes?



Write your answer in the box:

8.30 or half past eight



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25

Five children each collect 3 balls at the start of a PE lesson.

Tick the number sentence that matches this:

$$15 \times 3 = 5$$

☐

$$15 \times 5 = 3$$

☐

$$5 \times 3 = 15$$

☒

$$3 + 5 = 8$$

☐**26**

John has 50 marbles.

He gives 15 away. He loses 23.

How many marbles does he have left?

Award 2 marks for the correct answer of 12

Award 1 mark if answer is incorrect, but evidence of appropriate method is shown, for example:

$$15 + 23 = 38$$

$$50 - 38 = \text{wrong answer}$$

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27

Choose your own numbers to write in the empty boxes:

$$\square < 38$$

$$53 < \square$$

First box - any number smaller than 38
Second box - any number larger than 53

28

Kathy divides 20 sweets equally between 4 party bags.

How many sweets does each party bag contain?

**5**

29

There are 18 cows in a field. Half of them are taken to another field by a farmer.



How many are taken to another field?

9**30**

Complete the number sentence below:

$$5 \times 8 = 10 \times$$

4**END OF TEST**