Key stage 1

Mathematics

Paper 2: reasoning

First name	
Middle name	
Last name	

Total marks

Amy   **Ben**

Elsa   **Eeshu**   **Jack**

Practice question

What number is one more than twenty ?
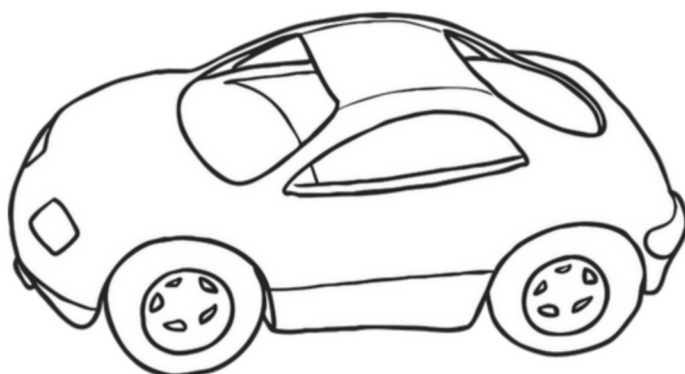
10 10 10
10 10
10 10 10

1 1 1
1 1
1 1 1

3

4

cm

5

_____

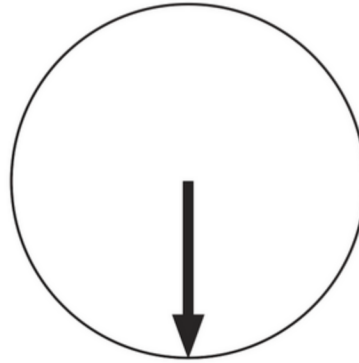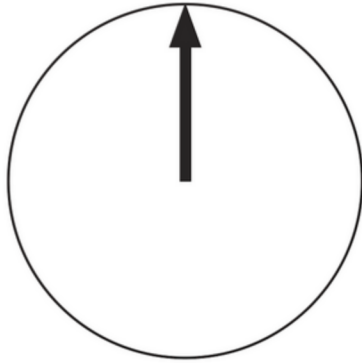**6** This arrow is rotated clockwise.

How much is the arrow rotated? Circle your answer.

quarter turn   half turn   three-quarter turn   full turn

7 Match these numbers to their names.

46   twelve
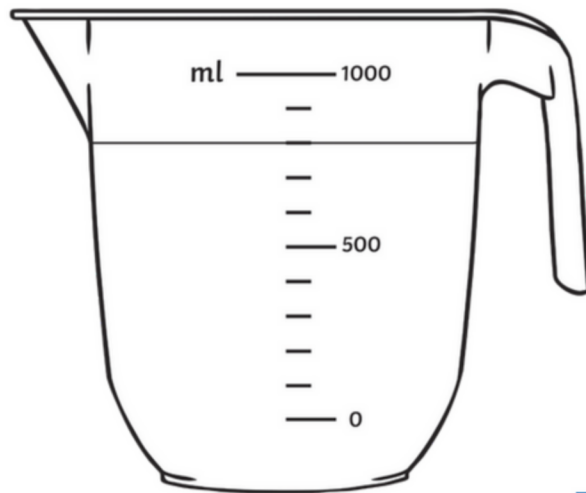
34   fifty

50   thirty four

12   forty six
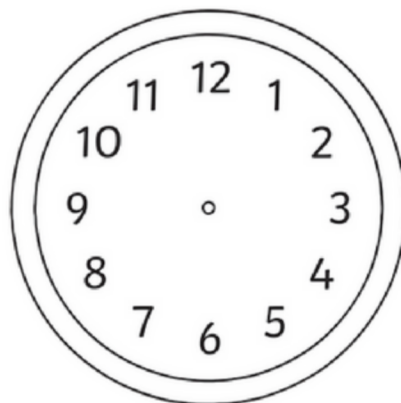
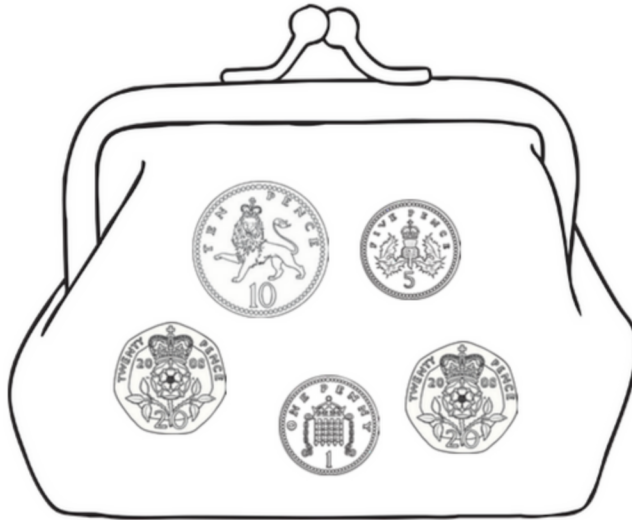**8** There is milk in this jug.

How much milk is in the jug?

| ml |

1 mark

9 Draw hands on this clock to show the time **25 past 3**

1 mark

Prepare 4 SATS

10 How much money is in the purse?

1 mark

11 Look at these four fruits:

30p   40p   20p   50p

Elsa buys **three different fruits**.
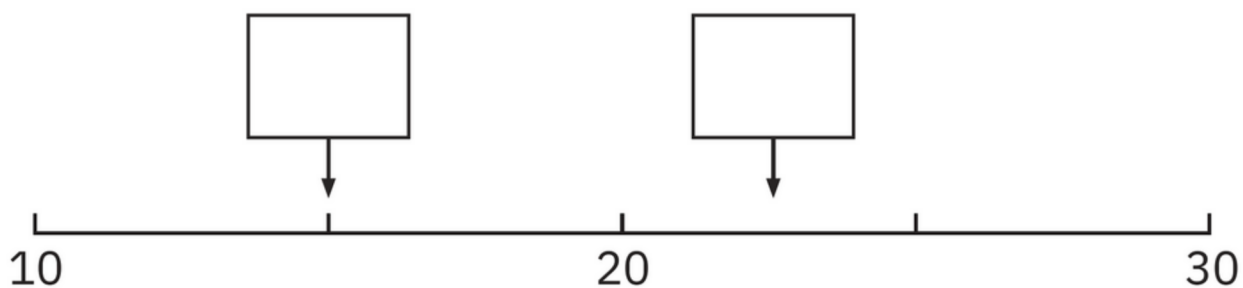
She spends exactly **£1**.

Tick the **three** fruits that she buys.

1 mark

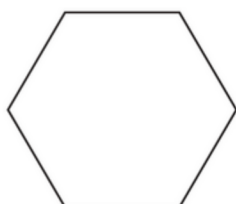**12**

```
┌──────┐        ┌──────┐
│      │        │      │
└───┬──┘        └───┬──┘
    ↓               ↓
```
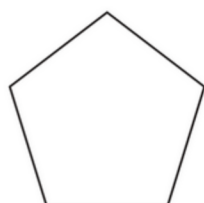10   20   30

13   Draw lines to match these shapes to their names.

triangle

hexagon

octagon

pentagon

14 Elsa needs 36 paintbrushes for her class.

There are 6 paintbrushes in each box.

How many boxes of paintbrushes does Elsa need altogether?

boxes

1 mark

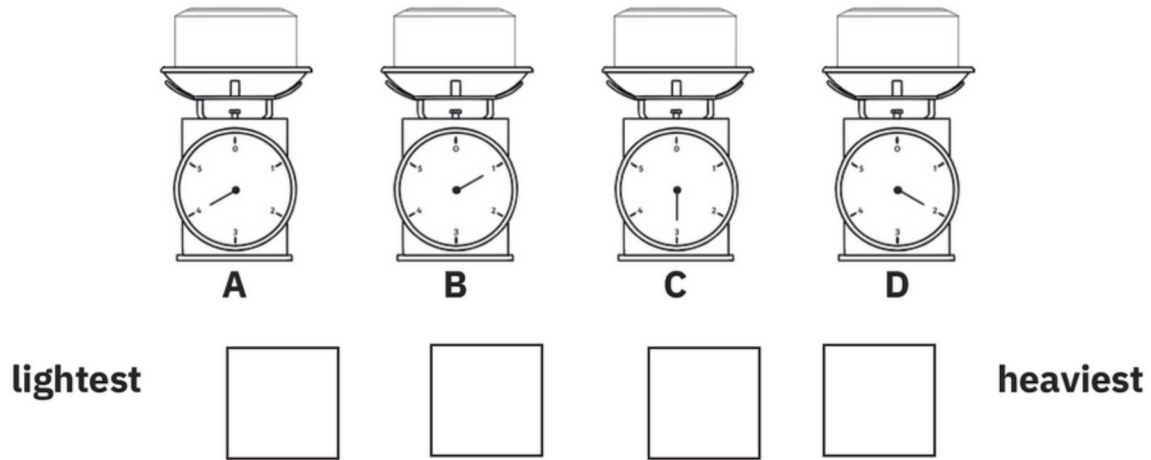**15** Write two numbers to make this calculation correct.

$$\boxed{} + \boxed{} = 15$$

Now, write three numbers to make this calculation correct.

$$\boxed{} + \boxed{} + \boxed{} = 15$$

1 mark

Prepare 4 SATS

16 Sort the parcels from **lightest** to **heaviest**.

| | A | B | C | D |

lightest ☐ ☐ ☐ ☐ heaviest

17 Eeshu has 20 gems altogether.

She has 16 gems in one hand.

How many gems does she have in the other hand?

☐ gems

18 Jack has some toy dinosaurs. He gives half of them to Ben.

He has five toy dinosaurs left.

How many toy dinosaurs did Jack start with?

| toy dinosaurs |

1 mark

19 Use **<, >, =** symbols . Put the correct sign in the boxes below.

15 ☐ 32   53 ☐ 35

14 ☐ 41   99 ☐ 99

1 mark

Prepare 4 SATS

20 Amy has a box of 30 new pencils. She gives out 16 of them to her class. How many pencils are left?

16 pencils

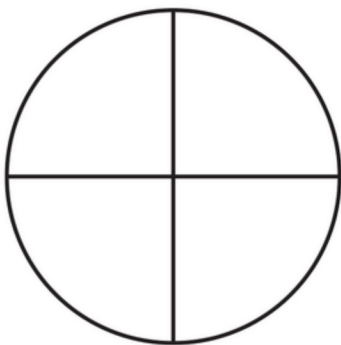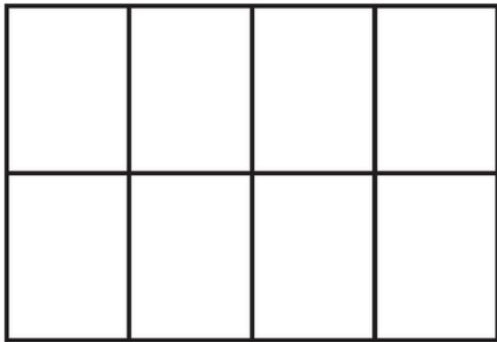| |
|---|
| pencils |

21 Fill in the missing sections in these sequences.

			21	24	27

Vertical sequence:
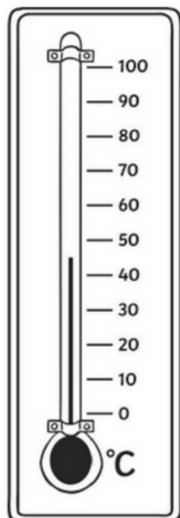5
10

25
30
35
40

22 Shade ½ of each of these shapes.

1 mark

23 Circle the measurement shown by the thermometer.

20°C   40°C   45 °C   50°C

24 Complete this calculation.

◻ ÷ 5 = 10

25 There are 24 children in the class. Half of them are girls. How many are boys?

1 mark

26 Circle the odd numbers.

18   29   60
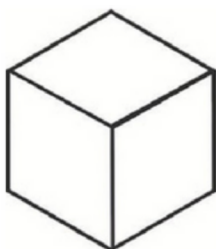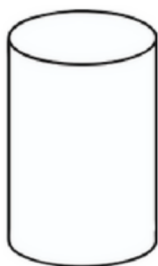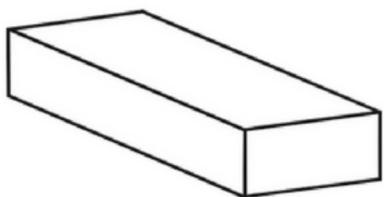
57   46   25

11   23   32

1 mark

27 Draw lines to match the shapes to their names.

cone

cylinder

cuboid

cube

28 There are **20** Cupcakes. **4** are eaten. How many Cupcakes are left?

Cupcakes

1 mark

29 Use the digit cards 2, 4 and 8 to complete this addition calculation.

2 4 8

☐☐ + ☐ = 50

1 mark

Prepare 4 SATS

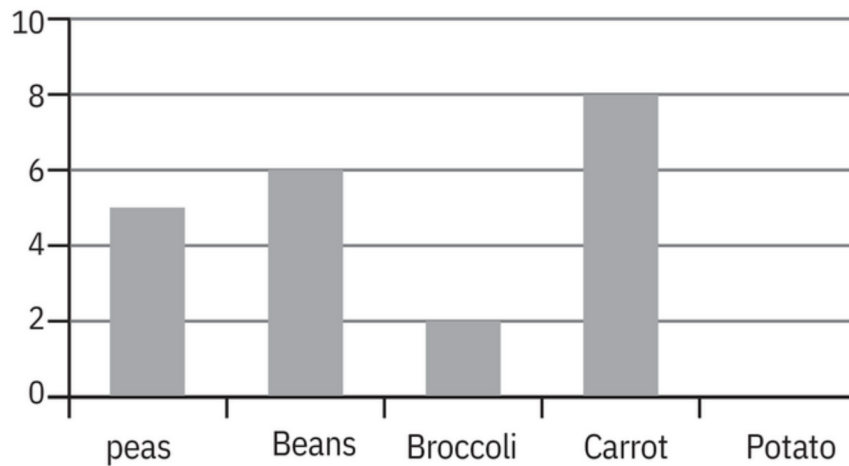**30** A class choose their favourite vegetables.

Here is a block diagram showing the choices of the children.

a) How many more children voted for the most popular vegetable than the least popular?

b) Potato received 2 more votes than Peas. Draw the bar to the correct height.

31 Jack has **£16**. He spends **¼** of his money on a new toy car.
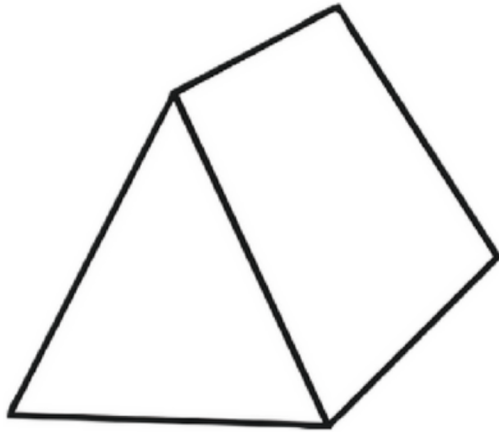
How much does the car cost?

How much does Jack have left?

2 marks

32 Eeshu prepared a 3D shape. Her 3D shape is a triangular prism. What two 2D shapes can she make?

1 mark

33 T-shirts are sold in packs of 4. A shop has 5 packs of T-shirts.

Circle all the calculations which would give the total number of T-shirts in the 5 packs.

5x4   5+4   4x5   4+5   5-4

1 mark

Question 1	**Circle the correct number of tens and ones to make fifty-four**
Question 2	**Zero, five, ten, fifteen...** **Write the next two numbers in the sequence**
Question 3	**Three numbers add up to fifty-eight. The first number is fifty.** **The second number is three. What is the third number?** **Write your answer in the box.**
Question 4	**Use a ruler to measure the length of the car in centimetres (cm)?**
Question 5	**Write the number 47 in words.**

End of test

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