Key stage 1

Mathematics

Paper 2: reasoning

First name	
Middle name	
Last name	

Total marks

Ben

Eeshu

Jack

Kate

Tom

Samara

Practice question

Ben

Jack

balls

50 p

30 p

p

1 mark

2 What is my secret number ?

1 mark

3

1 mark

34   56   63

          19   91   15

                         27

◯
1 mark

100 --
┌─────────────────────────────────┐
│   │
│   │
│   │
└─────────────────────────────────┘

◯
1 mark

6 Match the words to the correct numerals.

One is done for you.

Ninety		55
Fifty five		88
Thirty six		36
Eighty eight		90
		56

Ninety ———→ 90

1 mark

7 Jack brings 20 packets of plain crisps and 15 packets of flavoured crisps for a party.
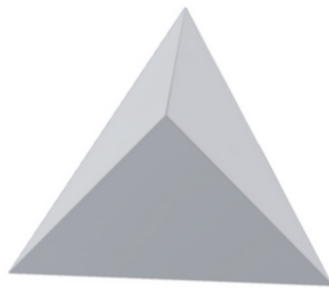If there are 30 children in the class and each child has one pack each, how many packs will be left over?
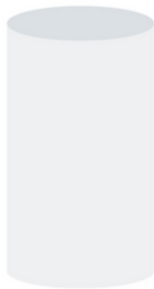
Show your working

2 marks

8 Circle the 3D shapes which have faces that are triangles.

1 mark

9 A pair of Socks are sold in pack of ten.

10 Socks	10 Socks
10 Socks	10 Socks

How many socks are in the picture above?

1 mark

10 A class of children sit in groups of 3. There are five groups.

Write the calculation you would use to calculate how many

children there are in the class.

Children

Prepare 4 SATS

11 Write the missing numbers in the sequence

| | 25 | 30 | 35 | | |

12 Complete the number sentences.

One is done for yoy.

$\frac{1}{2}$ of 10 = 5

$\frac{1}{2}$ of 16 =

Prepare 4 SATS

13 Samara has cards that are numbered 1 to 6

Samara turns over two of the cards.
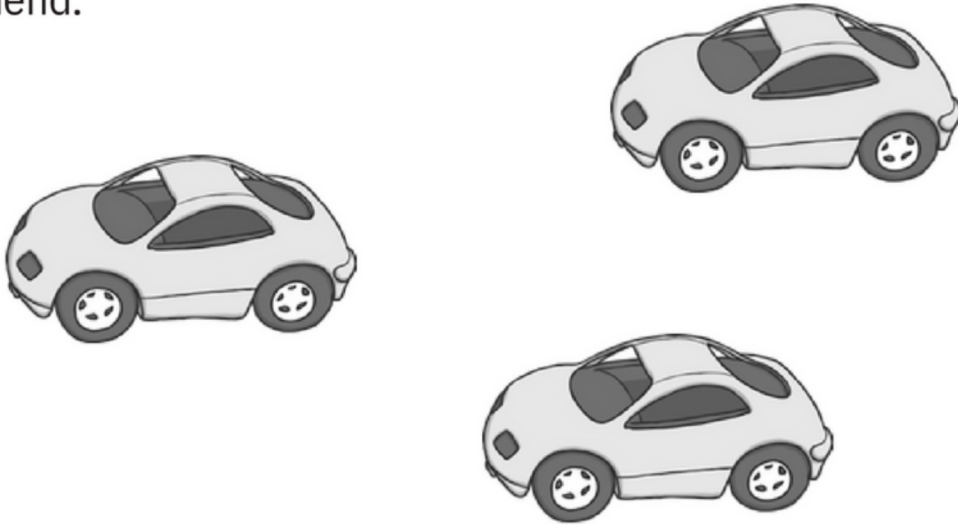
| 5 | 2 | |

| 4 | 6 | |
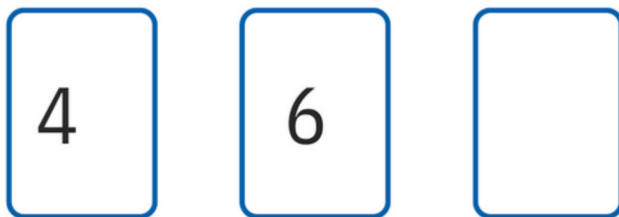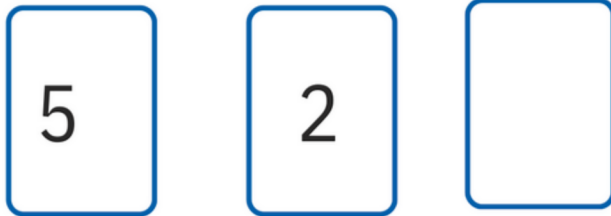
Which two cards has samara turned over?

Write the numbers on the cards below.
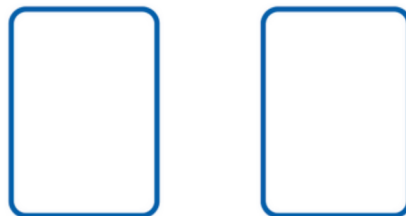
1 mark

14 Jack buys 15 cars one week and 5 cars the following week.He gives 3 cars to his friend.
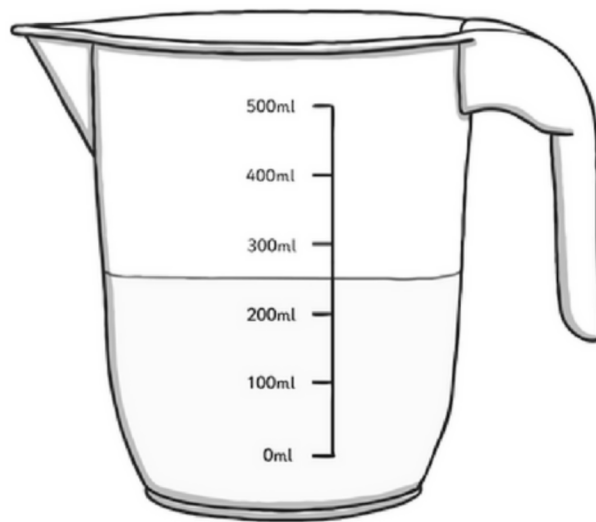
How many cars does he have left?

1 mark

15 There is water in this jug.

How much water is in the jug?

1 mark

ml

16 Here are some 2D shapes:

triangle   rectangle   square   octagon

Write the name of each shape in the correct column below.

Has 4 sides	Does not have four sides

17 Write a digit in each box to make this subtraction correct.

$$9\,\boxed{} - \boxed{} = 85$$

18 Draw an arrow to show 80 on the number line.

60   100

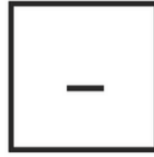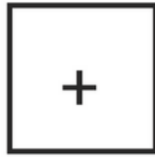**19** Complete this calculation.

$$\boxed{} \div 4 = 5$$

20 Look at these signs:

| X | + | − | ÷ |

Write one sign in each box to make the number sentences correct. One is done for you.

$$2 \boxed{\times} 5 = 10$$

$$20 \boxed{} 10 = 30$$

$$50 \boxed{} 10 = 5$$

$$10 \boxed{} 5 = 5$$

2 marks

21 Write the missing numbers to continue the number pattern.
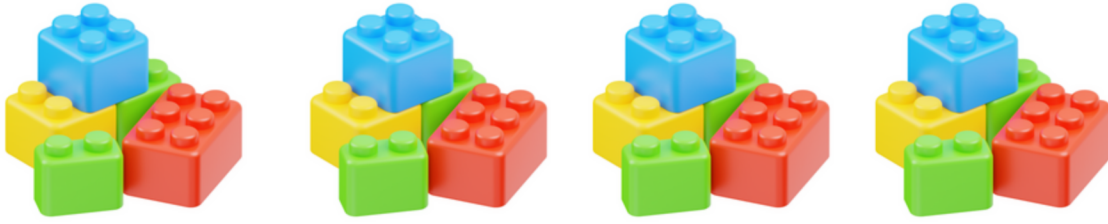
$$10 + 5 = 15$$

$$20 + 5 = 25$$

$$\boxed{} + 5 = 35$$

$$\boxed{} + 5 = \boxed{}$$

$$50 + 5 = 55$$

◯
1 mark

Prepare 4 SATs

22 These blocks are sorted into groups.

Circle two calculations that show the total number of blocks.

4 x 4

5 x 4

4 + 4 + 4 + 4 + 4

5 + 5 + 5

23 Here is a calculation.

$$\frac{1}{5} \text{ of } 25 = \boxed{5}$$

Now complete the calculations below.

$$\frac{2}{5} \text{ of } 25 = \boxed{}$$

$$\frac{3}{5} \text{ of } 25 = \boxed{}$$

Prepare 4 SATS

24 Jack has the following coins. How much money does he have?

p

1 mark

Kate has the following coins. How much money does she have?
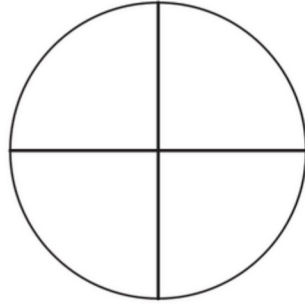

p

1 mark

25

Here is the circle . Shade 1 quarter of the circle.

26 Look at the two calculations.

Each is worth the same number.

Write the answer to the second calculation.

☆ + ☆ = | 20 |

☆ X ☆ =

Prepare 4 SATs

27 Eeshu buys a magazine for £6. She pays £10. Calculate the change Eeshu will receive.

How much change does Eeshu get?

£

1 mark

28 Jack has 12 toy cars. He takes 3/4 of the cars to play with at his

friend's house.

How many cars does Jack take to his friend's house?

Show your working

cars

2 marks

Prepare 4 SATS

29 Circle the measurement shown by the thermometer.

20cm   20°C   20ml   20kg
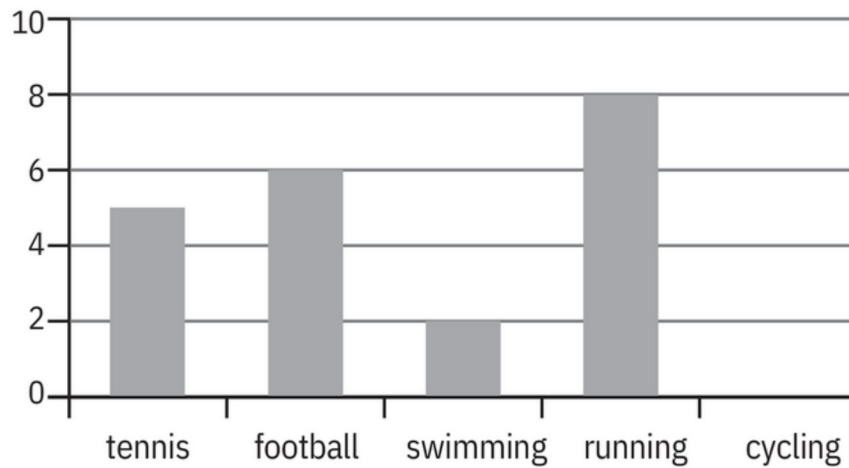
1 mark

30 A class choose their favourite sports.

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

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

b) Cycling received 2 more votes than football. Draw the bar to the correct height.

1 mark

1 mark

Question 1	A book costs 50 p and eraser cost 30p. Eeshu buys a book and an eraser. How much she spend? Write your answer in the box.
Question 2	I have a secret number. If I add 5 to my number it is 25. What is my secret number?
Question 3	Look at the Coins. How much money is represented by the following coins?
Question 4	Circle the odd numbers.
Question 5	Write the number 100 in words. Write your answer in the box.

End of test

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