

2024 national curriculum tests

Key stage 1

MATHEMATICS

Modified large print

Paper 2: reasoning

First name

Middle name

Last name

Note for marking:

This paper should be marked using the standard mark schemes for KS1 mathematics: Paper 2. Please also refer to the Key stage 1 mathematics amendments to mark schemes – MLP document for questions that have been modified or replaced.

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In this booklet you will read the names of six children.

They are called:

Ajay

Amy

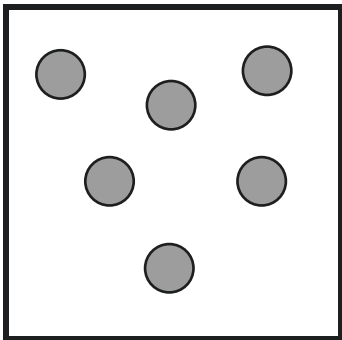
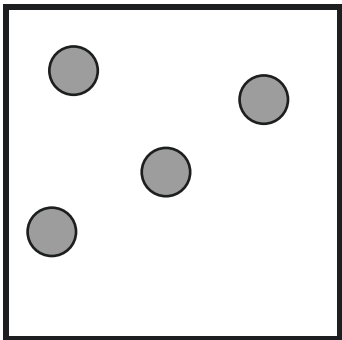
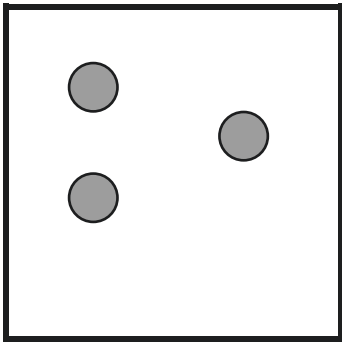
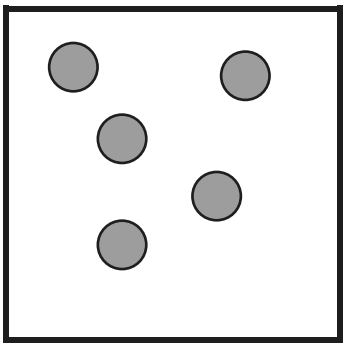
Ben

Kemi

Sam

Sita

Practice question



1. **38**

 tens

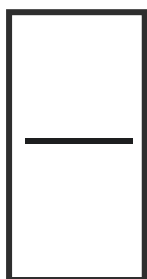
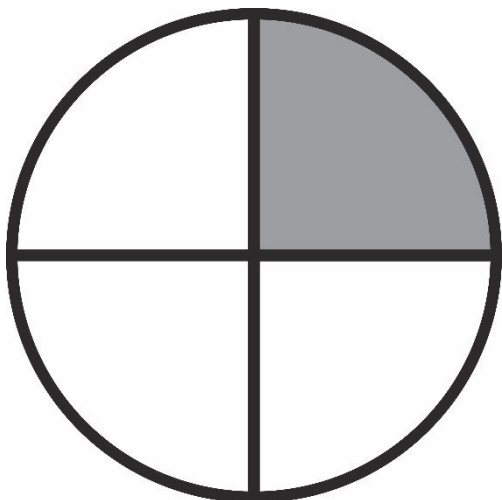
2. **Monday**

Thursday

Saturday

Sunday

3.



4. Amy **8** metres

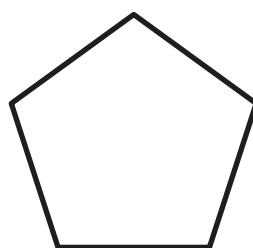
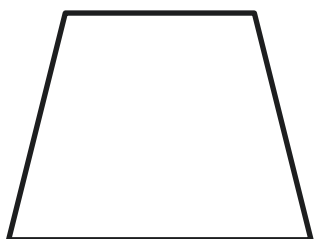
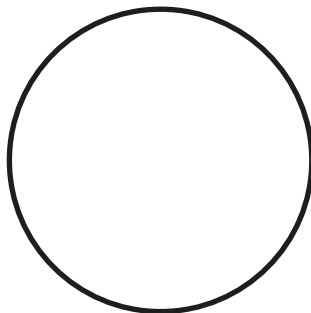
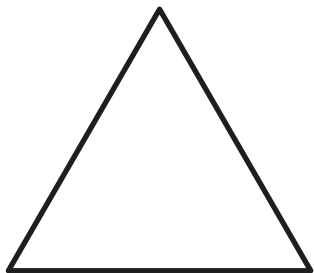
Sam **3** metres

_____ metres

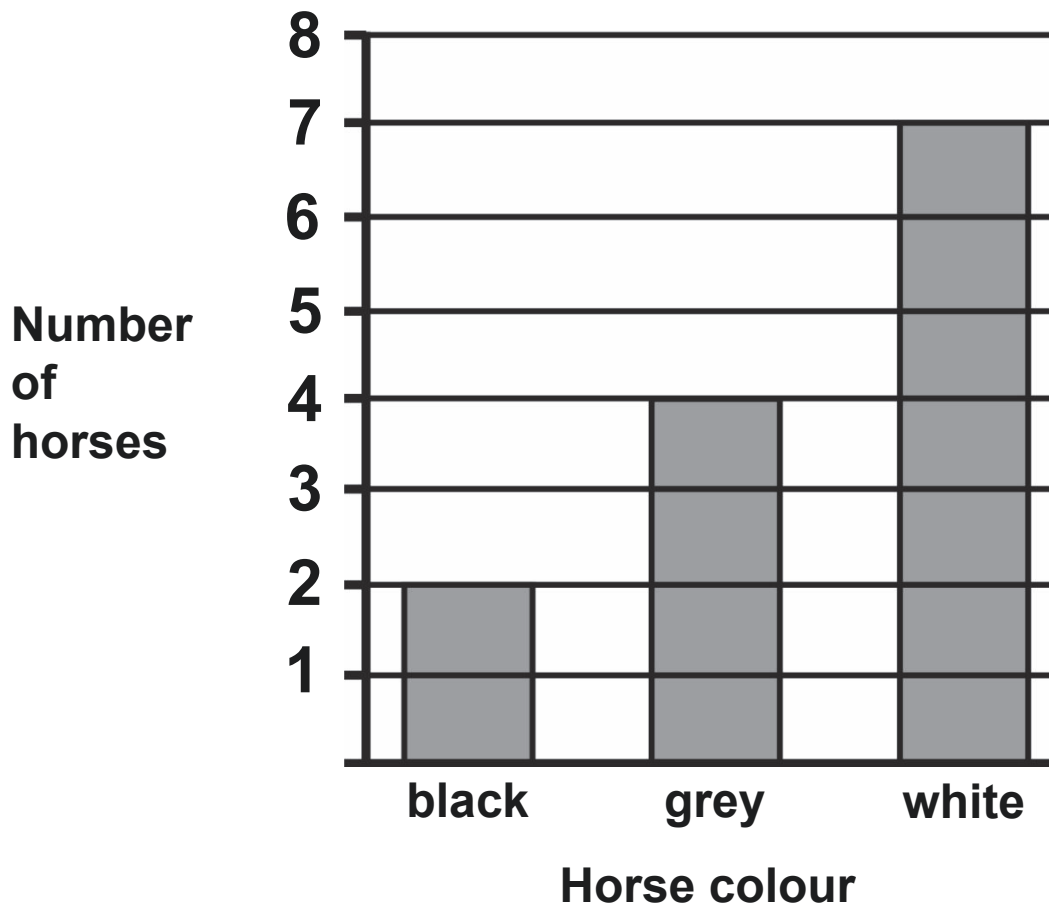
5. 2 4 5 6 7

6. Kemi draws around a face of a **cylinder**.

Tick or mark the shape she has drawn.



7. The chart shows the different colours of horses on a farm.



- (a) How many of the horses are grey?

_____ horses

- (b) Another white horse joins the farm.
How many white horses are now on the farm?

_____ white horses

8. There are **16** ducks on a pond.

5 ducks fly away.

How many ducks stay on the pond?

_____ ducks

9. Write the three missing numbers in this pattern.

_____ 71 _____ 73 74

10. Look at the shape pattern below.



The pattern continues in this way.

Now look at the four sets of shapes below.



Tick or mark the set of shapes that would be next in the pattern.

11. Sam has **90** marbles.

He gives **50** marbles to Ben.

How many marbles does Sam have left?

_____ marbles

12. Look at the list of three coins below.

2p 5p 1p

The 5p coin has the greatest value.

Now look at the two lists of three coins below.

a) £1 1p 10p

The _____ coin has the greatest value.

b) 50p £2 20p

The _____ coin has the greatest value.

13. Write three numbers to make this number sentence correct.

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = 14$$

14. Tick or mark **two** purses with the **same** amount of money.

Purse P	2p	10p	1p	
Purse Q	2p	10p		
Purse R	5p	5p	2p	
Purse S	5p	2p	2p	1p

15. Ajay has **6** bags.

He puts **10** marbles in each bag.

He has **8** marbles left over.

How many marbles does Ajay have **altogether**?

_____ marbles

16. Look at the number sentence below.

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

Write the missing number in the box.

17. Ajay had **18** apples.

He picked some **more**.

Ajay now has **24** apples.

How many **more** apples did he pick?

_____ apples

18. Look at the four calculations below.

One calculation does *not* equal 17

Cross or mark the calculation.

$$9 + 8$$

$$8 + 9$$

$$20 - 3$$

$$3 - 20$$

19. There are **8** cars.

There are **5** seats in each car.

Complete the number sentence to show the **total** number of seats in each car.

_____ **×** _____ **=** _____ seats

20. This question is about number bonds to **20**

Write the missing numbers.

One is done for you.

$$6 + 14 = 20$$

$$9 + \underline{\hspace{2cm}} = 20$$

$$12 + \underline{\hspace{2cm}} = 20$$

21. This number pattern increases by **10** each time.

7 17 27 37

Tick or mark **all** the numbers below that will be in the pattern.

57

66

75

97

22. Stickers are sold in packs of 5

Kemi has 30 stickers altogether.

How many packs does Kemi have?

_____ packs

23. Amy has **45p**.

20p 20p 5p

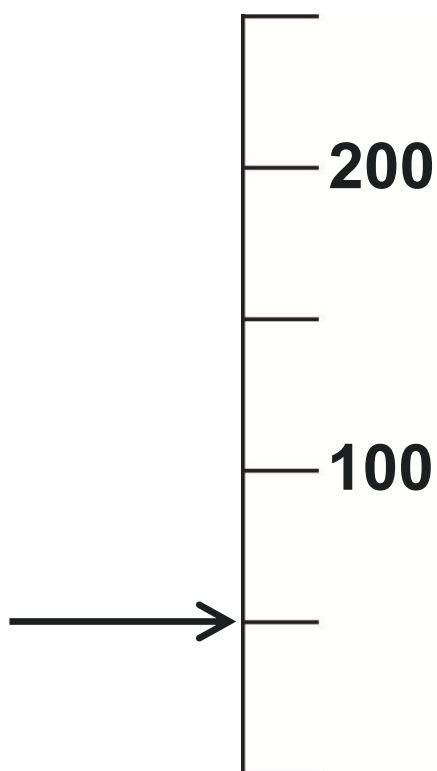
A badge costs **10p**.

What is the **total** number of badges that Amy
can buy with **45p**?

_____ **badges**

24. Look at the scale below.

What number is the arrow pointing to?



Write the number.

25. Look at the four calculations below.

Tick or mark all the calculations that total 100

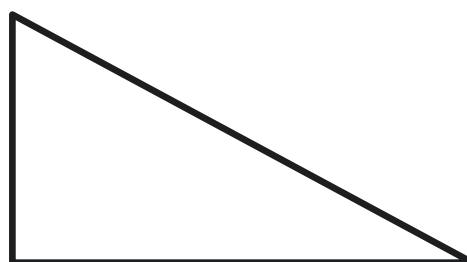
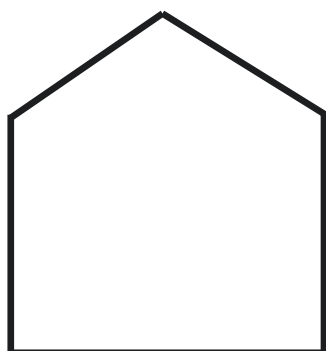
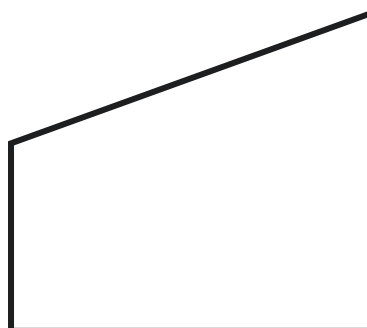
$$50 + 50$$

$$80 + 30$$

$$75 + 15$$

$$35 + 65$$

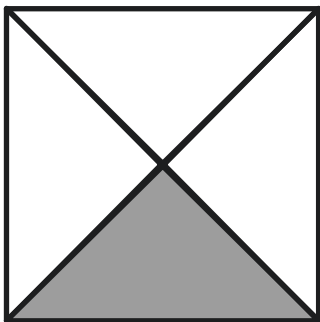
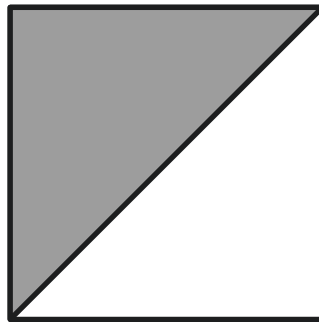
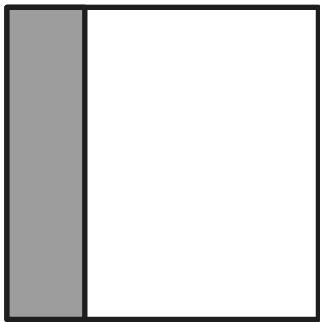
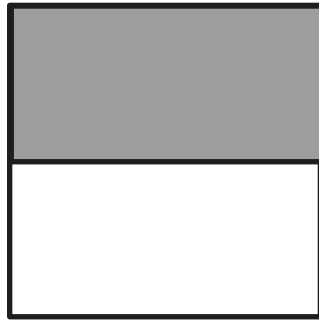
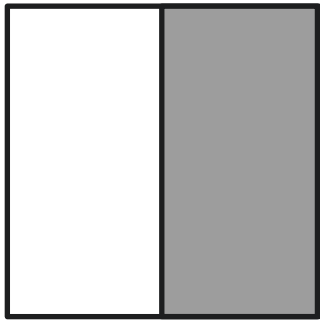
26. Look at the four shapes below.



Two of the shapes have a line of symmetry.

Tick or mark the **two** shapes.

27. Look at the five squares below.



The squares are part shaded.

Tick or mark all the squares that have **half** shaded.

28. Look at the four number sentences below.

$$\frac{1}{4} = \frac{1}{2}$$

$$\frac{2}{4} = \frac{1}{3}$$

$$\frac{3}{4} = \frac{1}{2}$$

$$\frac{2}{4} = \frac{1}{2}$$

Only one number sentence is correct.

Tick or mark it.

29. Complete the number sentence.

One is done for you.

$$\frac{1}{4} \text{ of } 8 = \boxed{2}$$

$$\frac{3}{4} \text{ of } 8 = \boxed{}$$

30. Sita only puts **5p** coins in a bag.

There is a **total of £1** in the bag.

How many **5p** coins are in the bag?

_____ coins

31. There are **30** animals on a farm.

$\frac{1}{2}$ of the animals are cows.

9 are sheep.

The rest are horses.

How many of the animals are horses?

Show your working.

_____ horses

32. Three blocks have the same mass.

Altogether, the three blocks weigh 15 kg

How much does one block weigh?

_____ kg

33. Sita buys a drink that costs 65p.

She pays with four 20p coins.

How much change does Sita get?

Show your working.

_____ p

End of test

Total marks	
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