2024 national curriculum tests

Key stage 1

Mathematics

Paper 2: reasoning

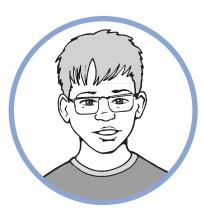
First name	
Middle name	
Last name	

Total marks





Amy



Ben



Kemi





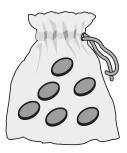
Sita

Practice question









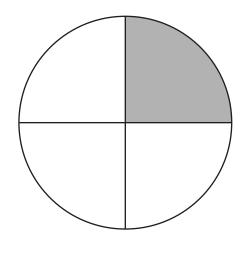
tens



2

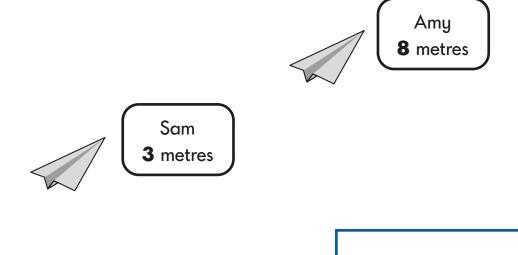
August						
Sun	Mon	Tues	Wed	Thurs	Fri	Sat
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31









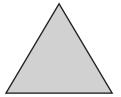


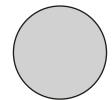
1 mark

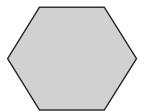
metres

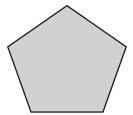


Tick the shape she has drawn.











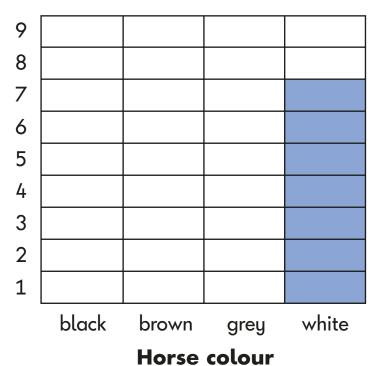
This table shows the different colours of horses on a farm.

Horse colour	Number of horses
black	2
brown	0
grey	4
white	7

Use the table to complete the graph below.

One is done for you.







8	There are 16 ducks on the pond.	•
	5 ducks fly away.	
	How many ducks stay on the pond?	

ducks



9 Write the missing numbers in this pattern.

71 73 74



10 Here is a shape pattern.

Shade the **last two** boxes to complete the pattern.



















11 Sam has 90 marbles.

He gives **50** marbles to Ben.

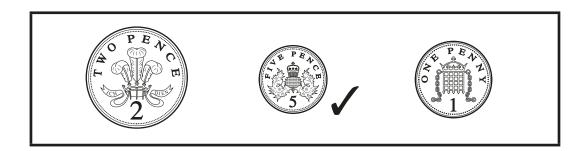
How many marbles does Sam have left?

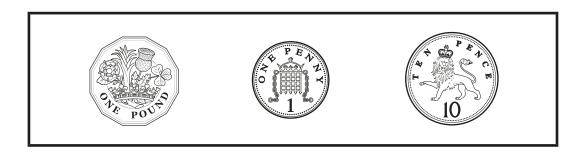
marbles

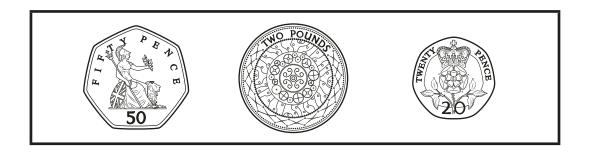


In each box, tick the coin that has the **greatest value**.

One is done for you.

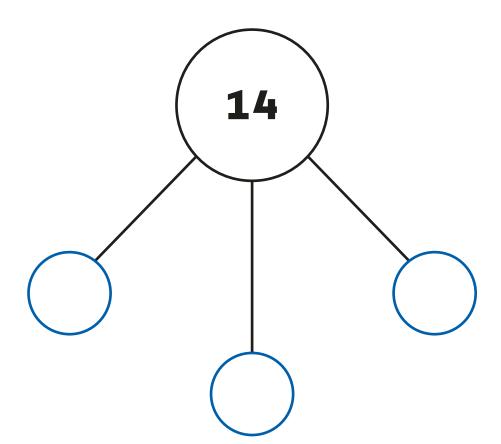






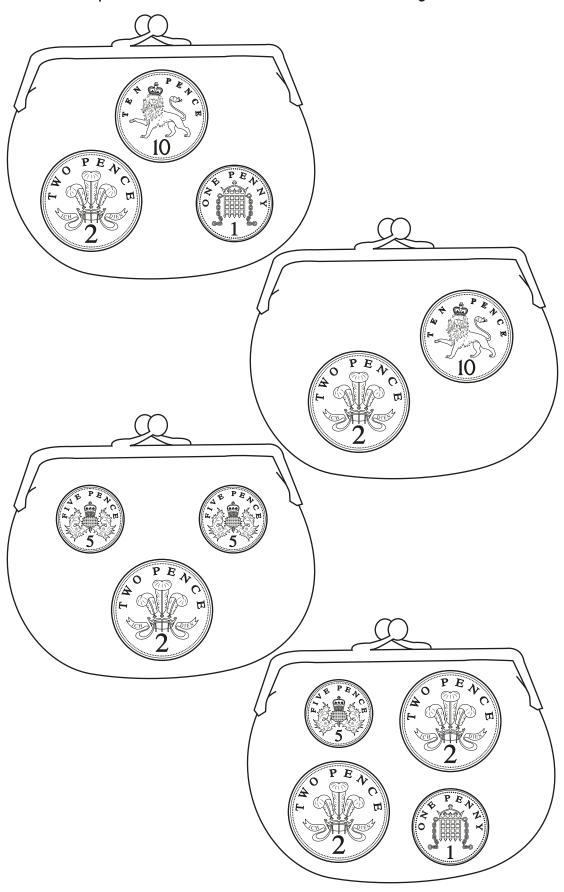


Write a number in each empty circle so that all three numbers total **14**





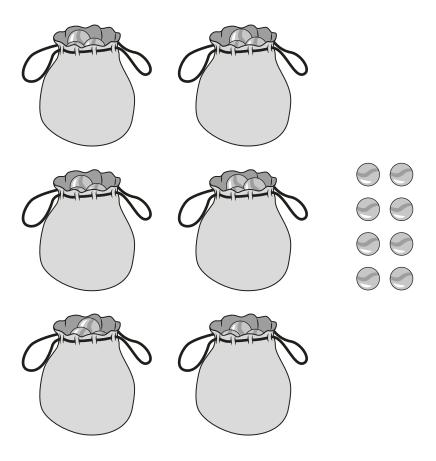
Tick **two** purses with the **same** amount of money.





Ajay has some marbles.

He puts 10 marbles into each bag. He has 8 left over.



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

marbles



16 Complete the number sentence below.





17 Ajay had 18 strawberries.

He picked some **more**.



Ajay now has 24 strawberries.

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

strawberries



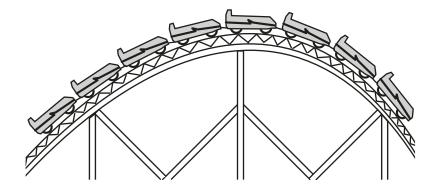
Cross it out.

$$8 + 9$$

$$20 - 3$$

$$3 - 20$$





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

Complete the number sentence to show the **total** number of seats on the ride.



The diagram below shows number bonds that make 20

Write the missing numbers to complete the diagram.

One is done for you.

20			
6		14	
9			
12			



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

7 17 27 37

Circle **all** the numbers below that will be in the pattern.

57

66

75



Stickers are sold in packs of **5**

Kemi has **30** stickers altogether.

How many packs does Kemi have?

packs

1 mark

23 Amy has **45p**.





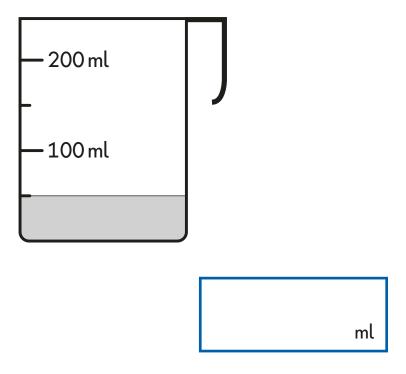


A badge costs **10p**.

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

badges







Tick **all** the calculations that total **100**

$$50 + 50$$

$$80 + 30$$

$$75 + 15$$

$$35 + 65$$



Three of the shapes below have a line of symmetry.

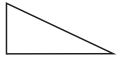
Tick the **three** shapes.

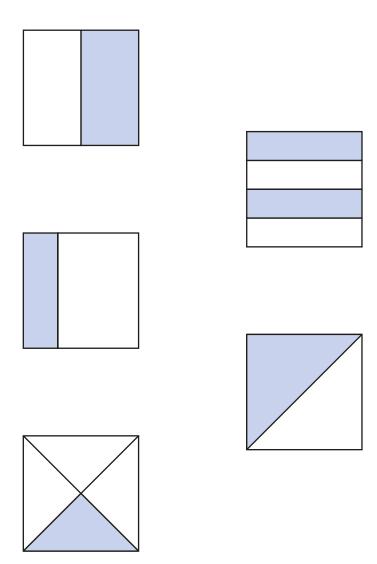














Only **one** number sentence is correct.

Circle it.

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

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

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

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



Complete the number sentence.

One is done for you.

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

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



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?





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

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



9 are sheep.



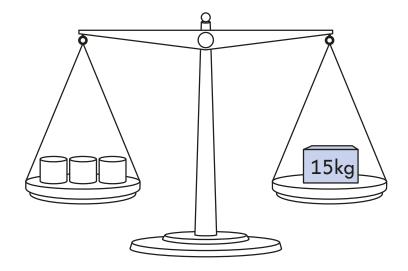
The rest are horses.



How many of the animals are horses?







The mass of the is 15 kg.

What is the mass of **one** ?





Sita buys a drink that costs 65p.

She pays with **four** 20p coins.

How much **change** does Sita get?







End of test

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2024 key stage 1 mathematics

Paper 2: reasoning

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