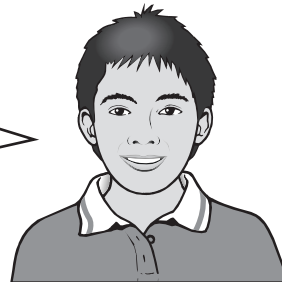


3

Dev says,

I had £10

I gave some money away.



Which expression shows how much money Dev has left?

 a is the amount of money, in pounds, that Dev gave away.Tick **one**.

$10 + a$

☐

$10 \div a$

☐

$a - 10$

☐

$10 - a$

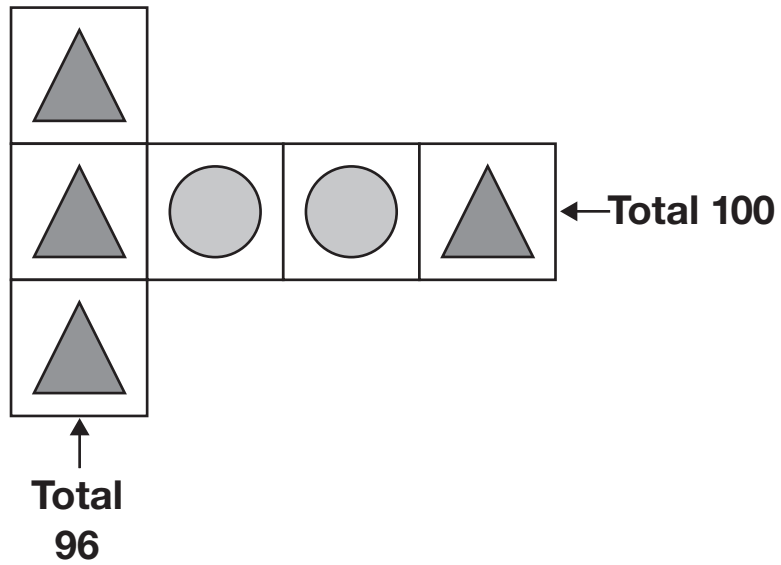
☐

$a \times 10$

☐1 mark

4

Each shape stands for a number.



Work out the **value** of each shape.

$$\triangle = \underline{\hspace{2cm}}$$

1 mark

$$\bigcirc = \underline{\hspace{2cm}}$$

1 mark



8

Maria bakes cakes and sells them in bags.



She uses this formula to work out how much to charge for one bag of cakes.

Cost = number of cakes \times 20p + 15p for the bag

How much will a bag of 12 cakes cost?

£

1 mark

Olivia buys a bag of cakes for £5.15

Use the formula to calculate how many cakes are in the bag.

Show
your
method

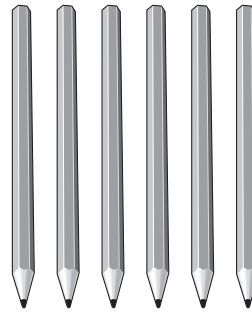
cakes

2 marks

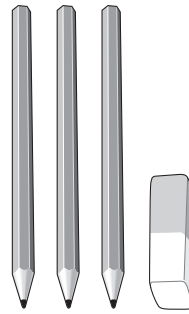


9

6 pencils cost **£1.68**



3 pencils and 1 rubber cost **£1.09**



What is the cost of **1 rubber**?

Show
your
method

A blank sheet of graph paper with a grid pattern. The grid consists of light blue horizontal lines and dark gray vertical lines, forming a series of small squares across the page. There are no margins or other markings on the paper.

2 marks



10

A theme park sells tickets online.

Each ticket costs £24

There is a £3 charge for buying tickets.

Which of these shows how to calculate the total cost, in pounds?

Tick **one**.

number of tickets $\times 3 + 24$ ☐

number of tickets $\times 24 + 3$ ☐

number of tickets $+ 3 \times 24$ ☐

number of tickets $+ 24 \times 3$ ☐

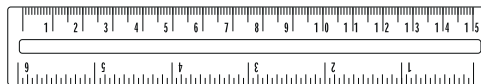
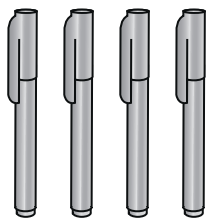
1 mark



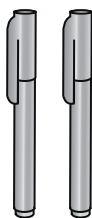
H 0 0 0 7 0 A 0 1 1 2 4

10

Adam buys 4 pens and a ruler and pays £4.75 altogether.



Jack buys 2 pens and pays £1.98 altogether.



How much does a **ruler** cost?

Show your method

A blank coordinate grid with a thick black border on the left and bottom, and a thick black line on the top. A small rectangle is drawn in the bottom right corner.

2 marks



12

$$n = 22$$

What is $2n + 9$?

1 mark

$$2q + 4 = 100$$

Work out the value of q .

 $q =$

1 mark



13

Lara chooses a number less than 20

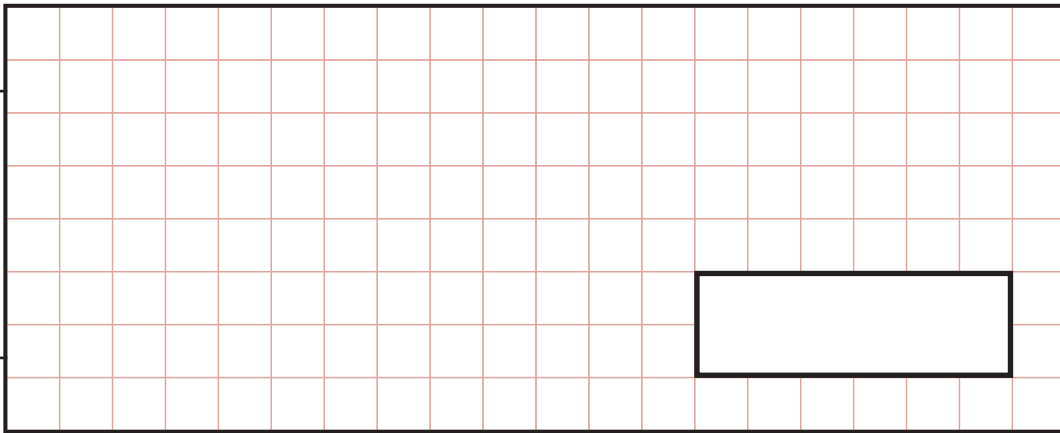
She divides it by 2 and then adds 6

She then divides this result by 3

Her answer is 4.5

What was the number she started with?

Show
your
method

A large rectangular grid with a black border, divided into a 10x10 grid of smaller squares by red lines. On the right side of the grid, there is a smaller rectangular box with a black border, measuring 4 squares wide and 2 squares high.

2 marks

