

1

45% of 160 =

$$50\% = 80$$

$$10\% = 16$$

$$5\% = 8$$

$$50\% - 5\% = 45\%$$

$$80 - 8 = 72$$

72

1 mark

2

20% of 3,500 =

$$10\% = 350$$

$$20\% = 700$$

700

1 mark

3

55% of 620 =

$$50\% = 310$$

$$10\% = 62$$

$$5\% = 31$$

$$55\% = 50\% + 5\%$$

$$310 + 31 = 341$$

341

1 mark

4

99% of 500 =

$$1\% = 5$$

$$99\% = 100\% - 1\%$$

$$500 - 5 = 495$$

495

1 mark

5

25% × 4000 =

$$50\% = 2000$$

$$25\% = 1000$$

1000

1 mark

6

12% of 400 =

$$10\% = 40$$

$$1\% = 4$$

$$2\% = 8$$

$$12\% = 10\% + 2\%$$

$$40 + 8 = 48$$

48

1 mark

7

28% of 620 =

$10\% = 62$

$20\% = 124$

$30\% = 186$

$1\% = 6.2$

$2\% = 12.4$

$28\% = 30\% - 2\%$

$186 - 12.4 = 173.6$

173.6

1 mark

8

49% of 700 =

$50\% = 350$

$1\% = 7$

$49\% = 50\% - 1\%$

343

1 mark

9

44% of 450 =

$50\% = 225$

$1\% = 4.5$

$2\% = 9$

$6\% = 27$

$44\% = 50\% - 6\%$

$225 - 27 = 198$

198

1 mark

10

Leo has £600. He spends **35%** of the money on a new computer.

How much does Leo spend on his new computer?

$$10\% = 60 \quad 5\% = 30$$

$$30\% = 180$$

£ 210

1 mark

11

There are 32 people in a class. 8 of the people wear glasses.

What **percentage** of people in the class wear glasses?

$$\frac{8}{32} = \frac{1}{4} = 25\%$$

25 %

1 mark

12

In a bag there are 11 red counters, 5 blue counters and 4 green counters.

What **percentage** of the counters are red?

$$\frac{11}{20} = \frac{55}{100}$$

55 %

1 mark

13

A shop has 240 tins of beans at the start of the day.

The shop sells 15% of the tins during the day.

How many tins of beans does the shop sell?

$$10\% = 24$$

$$5\% = 12$$

36 tins

1 mark

14

Sadiq asked 80 people to choose their favourite biscuit. These were his results.

Biscuit	Number of People
Custard Cream	31
Digestive	15
Shortbread	20
Bourbon	14
Total	80

What **percentage** of the 80 people chose shortbread?

$$\frac{20}{80} = \frac{1}{4} = 25\%$$

25 %

1 mark