

Percentage of an Amount

ANSWERS

1



35% of a number is 28. Work out 60% of the same number.

$$35\% = 28, \text{ so } 5\% = 28 \div 7 = 4$$

$$60\% = 12 \times 4 = 48$$

Answer 48

2



Work out 135% of 60.

$$100\% = 60, 10\% = 6, 5\% = 3$$

$$135\% = 60 + 18 + 3 = 81$$

Answer 81

3



Work out 17.5% of £240.

$$10\% = £24, 5\% = £12, 2.5\% = £6$$

$$£24 + £12 + £6 = £42$$

Answer £42

4



Fill in the box.

20% of 45 = 15% of

$$20\% \text{ of } 45 = 9, \text{ so } 15\% \text{ of the box is } 9$$

$$5\% = 3, \text{ so } 100\% = 60$$

Answer 60

5



A school has 1200 pupils. 45% of them are in a sports club. 20% of the sports club members are in Year 7. How many Year 7 pupils are in a sports club?

$$45\% \text{ of } 1200 = 540 \text{ in a sports club}$$

$$20\% \text{ of } 540 = 108$$

Answer 108

6



Ivy has knitted 60% of the rows of a scarf. She has 84 rows left to knit. How many rows will the scarf have?

$$84 \text{ rows is } 40\%, \text{ so } 10\% = 21$$

$$100\% = 210$$

Answer 210 rows

7



In a survey, 40% of the people asked walk to work. 25% of the people who walk to work walk more than 2 km. That is 18 people. How many people were asked?

$$25\% \text{ is } 18, \text{ so } 72 \text{ walk to work}$$

$$40\% \text{ is } 72, \text{ so } 10\% = 18, 100\% = 180$$

Answer 180 people

8



Work out 64% of 75 – 75% of 24

$$64\% \text{ of } 75 = 75\% \text{ of } 64$$

$$75\% \text{ of } (64 - 24) = 75\% \text{ of } 40 = 30$$

Answer 30