



Finding percentage parts: amounts of money - answers

Compare your answers to these.

1. 25% of £48 is $\frac{1}{4}$ of £48. So divide by 4. $48 \div 4 = \underline{\text{£12.}}$
2. 10% of £89 is $\frac{1}{10}$ of £89. So divide by 10. $£89 \div 10 = \underline{\text{£8.90.}}$
3. 20% of £245 is $\frac{1}{5}$ of £245. So divide by 5. $£245 \div 5 = \underline{\text{£49.}}$
4. Method 1:
5% is half of 10%, so find 10% then halve it to get 5%.
10% of £460 is $£360 \div 10 = £36$. So 5% is half of £36 = **£18.**

Method 2: use a calculator.

5% as a decimal is 0.05 so multiply £360 by 0.05.

$£360 \times 0.05 = \underline{\text{£18.}}$

5. 70% is $\frac{7}{10}$. Divide by 10 to find $\frac{1}{10}$ then multiply by 7 to find $\frac{7}{10}$.
 $\frac{1}{10}$ of 60 = $60 \div 10 = 6$.
So $\frac{7}{10}$ is $7 \times \frac{1}{10} = 7 \times 6 = 42$.
So you need **42** marks to get an A grade.

Find the missing numbers:

6. 10% of _____ = £2.
10% is $\frac{1}{10}$. So multiply £2 by 10 to find the whole amount.
 $£2 \times 10 = £20$. Now put it in the blank to check it makes sense.
10% of **£20** = £2.
Is this correct? Check it by working it out.
What is 10% of £20? 10% is $\frac{1}{10}$. So divide by 10.
£20 \div 10 = £2. So it is correct.
7. 50% of _____ = £8.
50% is a half. So $\frac{1}{2}$ of something is £8.
Double it to find the whole amount.
 $2 \times £8 = \underline{\text{£16.}}$

Put this answer back into the blank and check.
50% of £16 = £8.
That's correct. Work it out to check for yourself.
8. 25% of _____ = 20p.
25% is $\frac{1}{4}$ so multiply by 4 to find the whole amount.
 $4 \times 20\text{p} = \underline{\text{80p.}}$

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9. 20% of _____ = £3.

20% is $\frac{1}{5}$ so multiply by 5 to find the whole amount.

$$5 \times £3 = \underline{\underline{£15}}.$$

10. 75% of _____ = £30.

This may be tricky.

75% is $\frac{3}{4}$ so the question is saying that $\frac{3}{4}$ of something is £30.

If you know $\frac{3}{4}$ how do you find just $\frac{1}{4}$?

You divide by 3. So $\frac{1}{4}$ is $£30 \div 3 = £10$.

That's $\frac{1}{4}$ so multiply this by 4 to get the whole amount.

$$4 \times £10 = £40.$$

Put it back in the blank to check.

$$\mathbf{75\% \text{ of } £40 = £30.}$$

That's correct. You can check it by finding 75% of £40 and seeing that does equal £30.