Percentages – Part 2

Finding a percentage of something.

**Example 1**

A shop is offering a discount of **10%** on everything it sells.

1. A coat costs £100 usually. How much will you save?

10% means 10 out of every 100. In this case it is £10 out of every £100 so you will save **£10**. The coat will cost £90

1. If the coat costs £200 usually, how much will you save?

10% means £10 out of every £100. Since the coat costs £200 you will save £10 + £10 (2 lots of £10) or **£20**. You will pay £180.

1. Can you work out how much you would save if the coat only cost £50?

Now, 10% means £10 out of every £100 but the coat is only £50 which is half of £100 so we will only save £5. The coat will cost £45.

**EXTENSION** – Some of you might see that 10% is the same as 10/100 or 1/10. So the saving is 1/10 of the cost price. You should remember how to work out 1/10, simply divide by 10. Look back over the example with this in mind.

Try some.

SALE!!! Everything is 20% cheaper than the ticket price!

Remember that this means we save £20 for every £100 that the item costs.

1. If a game costs £100, how much will you save? How much will it cost you?
2. A television cost £300. How much will you save? How much will it cost you? (Remember that 20% means £20 out of each £100 and we have 3 lots of £100)
3. A jacket costs £50. How much will you save? How much will it cost? (Remember 20% means £20 out of £100 but this time the jacket only costs £50 which is half of £100)
4. A car costs £1000. How much will you save? How much will it cost? (20% means £20 out of each £100 and now we have 10 lots of £100)

Answers

1. Save £20, costs £80
2. Save £60, costs £240
3. Save £10, costs £40
4. Save £200, costs £800

EXTENSION – Some of you might see that 20% is 20/100 or 1/5. The saving is 1/5. You should remember how to find 1/5, simply divide by 5. Check over the questions with this in mind.

Questions

1. Find 10% of 300. (10 out of every 100)
2. Find 10% of £150.
3. Find 10% of 600.
4. Find 10% of 750.
5. Find 10% of 50.

Answers

1. 30
2. 15
3. 60
4. 75
5. 5

Some of you will remember that 10% means 10/100 or 1/10, so here we just find 1/10 of the number. (Divide by 10)

Try these

1. Find 20% of 200. (20 out of each 100)
2. Find 20% of 500
3. Find 20% of 50
4. Find 20% of 350
5. Find 20% of 800

Answers

1. 40
2. 100
3. 10
4. 70
5. 160

EXTENSION – You might see that 20% means 20/100 or 1/5, so now we just divide by 5. Try these questions by finding 1/5 of the number.

You can make up some questions for yourself.