

## **N123 Percentages 1**

**Q1.**

Work out 15% of 80

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**(Total for question = 2 marks)**

**Q2.**

Work out 234% of 150

.....  
**(Total for question = 2 marks)**

**Q3.**

Here is part of an advert for a driving school.

8 out of 10 of the people we teach pass the driving test first time
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Ali talked to 56 people who had been taught to drive by the driving school.  
43 of these people passed the driving test first time.

Does this support what is said in the advert?  
You must show how you get your answer.

**(Total for question = 3 marks)**

**Q4.**

A television has a normal price of £675  
In a sale the price is reduced by 32%.  
Work out the price of the television in the sale.

£ .....

**(Total for question = 3 marks)**

**Q5.**

Fayyaz bought a mobile phone for £180  
He sold it at a profit of 22%

How much money did Fayyaz sell the mobile phone for?

£ .....

**(Total for question = 2 marks)**

**Q6.**

Trevor buys a boat.  
The cost of the boat is £14 200 plus VAT at 20%  
Trevor pays a deposit of £5000  
He pays the rest of the cost in 10 equal payments.  
Work out the amount of each of the 10 payments.

£ .....

**(Total for question = 4 marks)**

**Q7.**

A number of students go on a coach trip.

The cost of hiring the coach is £180

The school pays 80% of this cost.

The students pay the rest of the cost.

Each student pays £1.50

Work out the number of students on the coach trip.

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**(Total for question = 4 marks)**

**Q8.**

Claire buys a new car for £5700

She pays a deposit of 12%

She then pays the rest of the cost in 15 equal monthly payments.

How much is each monthly payment?

£ .....

**(Total for question = 3 marks)**

**Q9.**

A bonus of £2100 is shared by 10 people who work for a company.  
40% of the bonus is shared equally between 3 managers.  
The rest of the bonus is shared equally between 7 salesmen.

One of the salesmen says,

"If the bonus is shared equally between all 10 people I will get 25% more money."

Is the salesman correct?

You must show how you get your answer.

**(Total for question = 5 marks)**

**Q10.**

Adam gets a bonus of 30% of £80

Katy gets a bonus of £28

Work out the difference between the bonus Adam gets and the bonus Katy gets.

£ .....

**(Total for question = 3 marks)**

**Q11.**

Jack's driving school has two offers.

<b>Offer 1</b>	<b>Offer 2</b>
First driving lesson free All other driving lessons normal price	All driving lessons 5% off the normal price

The normal price of a driving lesson is £24

Douglas is going to have 12 driving lessons.

Which is the cheaper offer for 12 driving lessons, Offer 1 or Offer 2?

You must show how you get your answer.

**(Total for question = 3 marks)**

**Q12.**

Richard invests £400 for 5 years in a business.  
The value of his investment increases at a rate of 3.5% per year simple interest.  
How much does he profit from after 5 years.

£ .....

**(Total for question = 3 marks)**

**Q13.**

Jane invests £300 into a business at a simple interest rate of 4.5% per year.  
At the end of each year Jane gives the interest to a charity.  
Work out the least number of years it will take for the total amount given to the charity to be greater than £50

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**(Total for question = 3 marks)**