

Friday (hard) - LO: to solve real life problems with percentages

$$82\% \times 930 =$$

$$69\% \times 750 =$$

(remember that 'x' can be replaced with the word 'of')



Would you rather have 10% of £5 or 20% of £3.00? Explain your answer.



Nike Air Huarache trainers are 35% off in the sale. They are now £58.50. How much were they originally?



20% of Megan's number is 64

What is 50% of Megan's number?



200 children went on holiday.

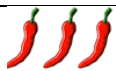
10% of the children went to Wales.

25% of the children went to Scotland.

How many **more** children went to Scotland than went to Wales?



Would you rather sit in a traffic jam for 33% of 2 hours or 44% of 1 hour 40 minutes? Explain your answer.



If you know 40% of a number, explain how you could work out the original number.



*These shoes are 35% off in the sale. They are now £32. How much were they originally?*

Sarah says, "For this question, the best way is to find 1% by dividing 32 by 35 then multiply by 100." Do you agree? Explain your answer.



250 000 people visited a theme park in one year.

15% of the people visited in April and

40% of the people visited in August.

How many people visited the park in the rest of the year?



Which of these is the odd one out?

40% of 900

90% of 400

60% of 850

25% of 1440

Explain your answer.



20% of the children in a sports club play tennis.



25% of the children who play tennis **also** play rounders.



There are 8 children in the club who play **both** tennis and rounders.

How many children are there in the sports club **altogether**?



### Pet shop



1. Jim bought a cat and dog for £60 each.  
Later he sold them.  
He made a profit of 20% on the dog.  
He made a loss of 20% on the cat.  
How much did he get altogether when he sold the cat and dog?
2. Jim bought another cat and dog.  
He sold them for £60 each.  
He made a profit of 20% on the dog.  
He made a loss of 20% on the cat.  
Did he make a profit or loss on the whole deal?