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Another method of finding the percentage of a number is to change the percentage required into a decimal and then multiply the number by it.

30% means 30 out of 100, which is a fraction  $30/100$  - to convert fractions to decimals, we divide the numerator by the denominator -  $30 \div 100 = 0.3$ .

So 30% is the same as  $30/100$  which is the same as 0.3

To find the percentage of a number we can multiply by the equivalent decimal.

To find 10% of 100, decimal equivalent of 10% is  $10 \div 100 = 0.1$ ,  $100 \times 0.1 = 10$   
(remember that to multiply by 100, shift the number 2 places to the left)

To find 10% of 50, decimal equivalent of 10% is  $10 \div 100 = 0.1$ ,  $50 \times 0.1 = 5$

To find 15% of 300, decimal equivalent of 15% is  $15 \div 100 = 0.15$ ,  $300 \times 0.15 = 45$

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Some percentages are worth remembering

30% means 30  
out of 100 (not  
10)

50% means a half

25 % means a quarter

75 % means three quarters

10 % means one tenth