



- Question 7: Fiona is x years old. Thomas is 3 years older than Fiona. Cara is twice as old as Fiona. The sum of their ages is 51.
 (a) Form an equation in terms of x
 (b) Solve the equation and work out Fiona's, Thomas's and Cara's ages.
 Question 8: Alan is x years old. Barry is ten years younger than Alan. Kevin is double Alan's age. The sum of their ages is 54.
 (a) Form an equation in terms of x
 (b) Solve the equation and work out Alan's, Barry's and Kevin's ages.
- Question 9: Rebecca is x years old. Mary is 8 years older than Rebecca. Jill is three times older than Mary. The sum of their ages is 67.
 - (a) Form an equation in terms of x
 - (b) Solve the equation and work out Rebecca's, Mary's and Jill's ages.
- Question 10: Andy has x pence. Kelly has 7 pence more than Andy. Georgia has 9 pence less than Andy. The total amount of money they have is £1.48



- (a) Form an equation in terms of x
- (b) Solve the equation and work out how much money each has.

Question 11: Billy has x pounds.

Liam has twice as much money as Billy. Nicola has three times as much money as Liam. The total amount of money they have is £180

- (a) Form an equation in terms of x
- (b) Solve the equation and work out how much money each has.



Question 12: Farmer Jones has x sheep Farmer Smith has 100 more sheep than Farmer Jones. Farmer White has twice as many sheep as Farmer Jones. In total there are 2500 sheep.



- (a) Form an equation in terms of x
- (b) Solve the equation and work out how many sheep each farmer has.
- Question 13: The cost of a TV is £x The cost of a DVD player is £45 less than a TV. The total cost of the TV and DVD player is £235
 - (a) Form an equation in terms of x
 - (b) Find the cost of a TV
- Question 14: The sum of three consecutive numbers is 51.
 - (a) Form an equation in terms of x
 - (b) Solve the equation and work out each number.
- Question 15: The sum of five consecutive numbers is 110.
 - (a) Form an equation in terms of x
 - (b) Solve the equation and work out each number.
- Question 16: A rectangular field is 7 metres longer than wide. The perimeter of the field is 106m.
 - (a) Find the dimensions of the field.
 - (b) Find the area of the field.
- Question 17: A rectangular field is 20 metres longer than wide. The perimeter of the field is 280m.
 - (a) Find the dimensions of the field.
 - (b) Find the area of the field.





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