Using Algebra to find Missing Values
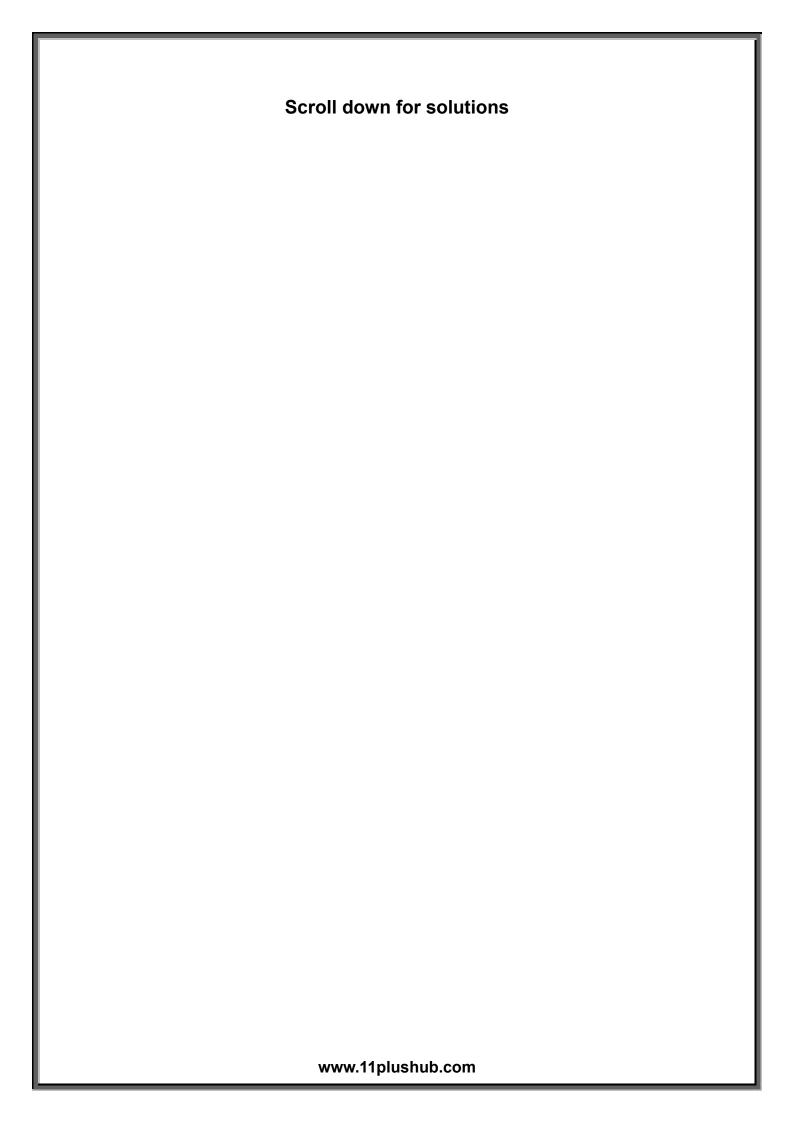
1. If 3 bananas and 2 apples costs £2.20 and,

   4 bananas and 1 apple costs £2.60

   Find the price of:

   1 banana =
   1 apple =

2. If 2 Mega Systems and 3 xStereos costs £700 and,

   3 Mega Systems and 2 xStereos costs £800

   Find the price of:

   1 Mega System =
   1 xStereo =

3. If 3 donuts and 4 sandwiches costs £18.70 and,

   4 donuts and 2 sandwiches costs £11.60

   Find the price of:

   1 donut =
   1 sandwich =

4. If 5 bottles of water and 3 packets of corn chips costs £8.70 and,

   2 bottles of water and 3 packets of corn chips costs £5.10

   Find the price of:

   1 bottle of water =
   1 corn chips =

5. If 4 puzzle books and 3 magic pens costs £29 and,

7 puzzle books and 21 magic pens costs £98

Find the price of:

1 Puzzle Book =
1 Magic Pen =

6. If 3 fun passes and 2 wrist bands costs £91 ,

4 fun passes and 6 wrist bands costs £148

Find the price of:

1 Fun Pass =
1 Wrist Band =

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Solutions

1. If 3 bananas and 2 apples costs £2.20 and,

   4 bananas and 1 apple costs £2.60

   Find the price of:

   1 banana = £0.60p
   1 apple = £0.20p

2. If 2 Mega Systems and 3 xStereos costs £700 and,

   3 Mega Systems and 2 xStereos costs £800

   Find the price of:

   1 Mega System = £200
   1 xStereo = £100

3. If 3 donuts and 4 sandwiches costs £18.70 and,

   4 donuts and 2 sandwiches costs £11.60

   Find the price of:

   1 donut = £0.90p
   1 sandwich = £4.00p

4. If 5 bottles of water and 3 packets of corn chips costs £8.70 and,

   2 bottles of water and 3 packets of corn chips costs £5.10

   Find the price of:

   1 bottle of water = £1.20p
   1 corn chips = £0.90p

5. If 4 puzzle books and 3 magic pens costs £29 and,

   7 puzzle books and 21 magic pens costs £98

   Find the price of:

   1 Puzzle Book = £5
   1 Magic Pen = £3

6. If 3 fun passes and 2 wrist bands costs £91 ,

   4 fun passes and 6 wrist bands costs £148

   Find the price of:

   1 Fun Pass = £25
   1 Wrist Band = £8