SOLVING TWO STEP EQUATIONS

Answer all of these questions. Remember to show your working out in all questions.

MAIN QUESTIONS

1.	2x + 3 = 7	x = 2	2.	4x - 1 = 15	x = 4
3.	3x + 5 = 17	x = 4	4.	5x - 2 = 18	x = 4
5.	6x + 4 = 28	x = 4	6.	7x - 3 = 25	x = 4
7.	8x + 6 = 38	x = 4	8.	9x - 5 = 31	x = 4
9.	10x + 7 = 47	x = 4	10.	11x - 8 = 36	x = 4
11.	12x + 9 = 57	x = 4	12.	13x - 10 = 42	x = 4
13.	14x + 11 = 67	x = 4	14.	15x - 12 = 48	x = 4
15.	16x + 13 = 77	x = 4	16.	17x - 14 = 54	x = 4
17.	18x + 15 = 87	x = 4	18.	19x - 16 = 60	x = 4
19.	20x + 17 = 97	x = 4	20.	21x - 18 = 66	x = 4
21.	22x + 19 = 107	x = 4	22.	23x - 20 = 72	x = 4
23.	24x + 21 = 117	x = 4	24.	25x - 22 = 78	x = 4
25.	26x + 23 = 127	x = 4	26.	27x - 24 = 84	x = 4
27.	28x + 25 = 137	x = 4	28.	29x - 26 = 90	x = 4

x = 4

MASTER QUESTIONS



- A rectangle has a length that is 3cm M1. The rectangle is 4cm by 11cm more than twice its width. If the perimeter is 30cm, find the dimensions.
- A number multiplied by 5 and then decreased by M2. The number is 9 7 gives 38. Find the number.
- M3. Sarah thinks of a number, multiplies it by 4 and Her number is 7 subtracts 3. The result is 25. What is her number?
- The sum of three consecutive even M4. The numbers are 12, 14 and 16 numbers is 42. Find the numbers.
- A book costs £3 more than twice the price of a M5. The pen costs £6 pen. If the book costs £15, how much does the
- pen cost? A train travels at a constant speed. In 5 hours it M6. The speed is 5km/h covers 15km more than twice the distance it covers in 2 hours. Find its speed.
- The area of a rectangle is 48cm². If M7. The rectangle is 4cm by 12cm the length is 4cm more than twice the width, find the dimensions.
- A father is 4 years more than twice M8. The son is 15 and the father is 34 his son's age. In 5 years, the sum of their ages will be 59. Find their current ages.

M9. A shop sells apples in bags. Each bag contains 3 more than twice the number of apples in a small box. If a bag contains 17 apples, how many are in a small box?

There are 7 apples in a small box

M10. The perimeter of a triangle is 45cm. The second side is 3cm longer than twice the first side, and the third side is 6cm longer than the first side. Find the length of each side.

The sides are 9cm, 21cm and 15cm