SOLVING LINEAR EQUATIONS WHERE THE SOLUTIONS ARE NEGATIVES

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

MAIN QUESTIONS

1. $x + 5 = 0$

2. $2x - 3 = -7$

3. $4x + 8 = -4$

4. $5x - 2 = -17$

5. $3x + 10 = -5$

6. $7x - 4 = -25$

7. $6x + 12 = -6$

8. $9x - 5 = -32$

9. $8x + 16 = -8$

10. $10x - 7 = -47$

11. $12x + 24 = -12$

12. $15x - 10 = -55$

13. $20x + 40 = -20$

14. $25x - 15 = -90$

15. $30x + 60 = -30$

MASTER QUESTIONS

M1. A number multiplied by 4 and then subtracted by 5 equals -17. Find the number.

M2. The sum of three times a number and 10 is -5. What is the number?

M3. A rectangle has a perimeter of 20cm and a length that is 2cm more than its width. Find the dimensions.

M4. If you subtract 7 from twice a number, the result is -15. What is the number?

M5. A train travels at a constant speed. If it covers 300 miles in 5 hours, how long will it take to cover 450 miles?