LINEAR EQUATIONS WITH BRACKETS

Answer all questions. Show your working.

MAIN TASK

1. 2(x +	3. = 10	2. 3(x -
2. = 9	3. 4(x +	1. = 20
4. 5(x -	4. = 5	5. 2(x +
5. = 16	6. 3(x -	1. = 6
7. 4(x +	2. = 24	8. 5(x -
3. = 10	9. 2(x +	4. = 14
10. 3(x -	5. = 6	11. 4(x +
3. = 28	12. 5(x -	2. = 15
13. 2(x +	6. = 20	14. 3(x -
4. = 3	15. 4(x +	5. = 36
16. 5(x -	1. = 20	17. 2(x +
7. = 22	18. 3(x -	3. = 12
19. 4(x +	4. = 32	20. 5(x -
5. = 0	21. 2(x +	8. = 24
22. 3(x -	6. = 9	23. 4(x +
6. = 40	24. 5(x -	4. = 25
25. 2(x +	9. = 28	26. 3(x -
7. = 6	27. 4(x +	7. = 44
28. 5(x -	6. = 5	29. 2(x +
10. = 30	30. 3(x -	8. = 3

MASTERY OF MATHEMATICS

1. A rectangle has a length of (x + 4. cm and a width of 2 cm. The area is 20 cm^2. Write an equation and solve for x.

2. The perimeter of a square is given by 4(x - 3. = 20. Find the side length.

3. A number is multiplied by 3, then 6 is subtracted. The result is 12. Write an equation and solve for x.

4. The sum of twice a number and 8 is 20. Write an equation and solve for x.

5. A train travels at a speed of (x + 5. km/h for 4 hours and covers 60 km. Write an equation and solve for x.

6. The cost of 5 books is £(x - 2. each. The total cost is £15. Write an equation and solve for x.