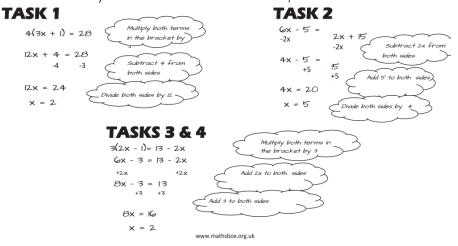
Year 10 Lesson three Solving Linear Equations

■ Solving Linear Equations - Mr Morley Maths Watch the video and use the hints to answer the questions

Help and hints..... Solving linear equations 4

Remember that you must 'do the same' to the expressions on both sides



Solving Linear Equations 4

TASK 1	TASK 2	TASK 3	TASK 4
1. 6(2x - 3) = 42	1. 5x - 11 = 13 - 3x	1. 2(2x - 1) = 2x + 2	1. 3(2x - 5) = 4x - 23
2. 6(5x - 3) = 132	2. 5x = 3x + 12	2. $3(3x+2) = 3x + 9$	2. 2(2x - 1) = 23 - x
3. 4(x + 1) = 16	3. 4x - 3 = 3x + 3	3. 4(2x - 3) = 7x - 8	3. $3(3x+2) = 3(2x+3)$
4. 2(2x - 1) = 14	4. 5x - 11 = 59 - 5x	4. 5(2x - 1) = 7x - 11	4. 4(2x - 3) = 4x - 24
5. 5(5x - 2) = 90	5. 5x - 2 = 28 - 5x	5. 6(5x - 3) = 21x + 9	5. 5(2x + 1) = 8x + 11
6. 6(2x + 4) = 108	6. 4x + 5 = 32 - 5x	6. 2(3x - 9) = 5x - 21	6. 6(5x - 3) = 28x - 26
7. 5(x - 3) = -5	7. 3x + 4 = 2x + 3	7. 8(2x + 3) = 9x + 59	7. 2(2x + 5) = 25 - x
8. 4(4x + 1) = 36	8. 6x + 2 = 26 - 2x	8. 3(5x + 1) = 6x - 15	8. 4(3x + 2) = 2x + 13
9. 2(4x - 1) = 14	9. 3x - 7 = 29 - 3x	9. 2(2x - 5) = 3x - 12	9. 5(2x + 1) = 13(x - 1)
10. 6(5x - 3) = 12	10. 4x - 7 = 28 - 3x	10. 4(3x - 2) = 7x + 22	10. 2(3x + 2) = 4x + 14
11. 4(7x + 1) = 88	11. 5x - 1 = 44 - 4x	11. 5(2x + 1) = 9x + 1	11. 3(2x + 5) = 17(x - 3)
12. 6(5x + 1) = 36	12. 4x - 3 = 2x - 2	12. 2(3x - 2) = 4x + 4	12. 4(3x - 2) = 20 - 2x
13. 3(3x + 1) = 12	13. 3x = 2x + 6	13. 3(2x - 5) = 3x - 24	13. 5(2x + 1) = 2x - 3
14. 6(2x + 3) = 66	14. 8x - 5 = 5x + 4	14. 4(3x + 2) = 10x + 2	14. 2(3x - 2) = 20 - 2x
15. 5(x + 4) = 50	15. 5x - 2 = 70 - 3x	15. 5(2x - 1) = 9x + 1	15. 3(2x - 3) = 7 - 2x

Solving Linear Equations 4

ANSWERS

TASK 1	TASK 2	TASK 3	TASK 4
1. x = 5	1. x = 3	1. X = 2	1. x = -4
2. x = 5	2. x = 6	2. x = 0.5	2. x = 5
<i>3</i> . x = 3	з. x = 6	3. x = 4	3. x = 1
4. x = 4	4. x = 7	4. x = -2	4. x = -3
5. x = 4	s. x = 3	s. x = 3	s. x = 3
6. x = 7	6. x = 3	6. x = -3	6. x = -4
7. x = 2	z. x = -1	z. x = 5	z. x = 3
8. x = 2	8. x = 3	8. x = -2	<i>s.</i> x = 0.5
g. x = 2	9. x = 6	g. x = -2	9. x = 6
10. x = 1	10. x = 5	10. X = 6	10. x = 5
11. x = 3	11. X = 5	11. X = -4	11. X = 6
12. X = 1	12. X = 0.5	12. X = 4	12. x = 2
13. X = 1	13. X = 6	13. X = -3	13. x = -1
14. X = 4	14. X = 3	14. X = -3	14. X = 3
15. x = 6	15. X = 9	15. X = 6	15. x = 2

