Solving linear equations 1

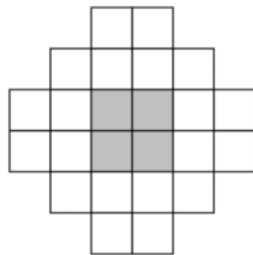**Task 1** : Solve x + 12 = 30

Task 2 : Solve x − 8 = 15

Task 3 : Solve 4x = 36

Task 4 : Solve x ÷ 5 = 4

Puzzle : Mixture of **Tasks 1** to **4**

Help and hints......

Remember that you must 'do the same' to the expressions on both sides of the equals sign.

TASK 1

$x + 5 = 12$

Subtract 5 from both sides

$x + 5 - 5 = 12 - 5$

$x = 7$

TASK 2

$x - 7 = 15$

Add 7 to both sides

$x - 7 + 7 = 15 + 7$

$x = 22$

TASK 3

$4x = 24$

Divide both sides by 4

$4x \div 4 = 24 \div 4$

$x = 6$

TASK 4

$x \div 8 = 5$

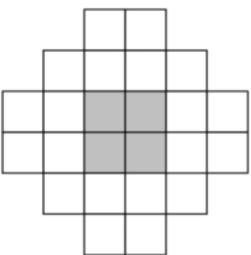*Multiply both sides by 8*

$x \div 8 \times 8 = 5 \times 8$

$x = 40$

Solving Linear Equations 1

TASK 1	TASK 2	TASK 3	TASK 4
1. x + 24 = 35	**1.** x - 1 = 15	**1.** 11x = 33	**1.** x ÷ 2 = 5
2. x + 23 = 26	**2.** x - 9 = 1	**2.** 10x = 70	**2.** x ÷ 4 = 10
3. x + 12 = 21	**3.** x - 10 = 3	**3.** 9x = 18	**3.** x ÷ 8 = 10
4. x + 17 = 26	**4.** x - 7 = 6	**4.** 3x = 33	**4.** x ÷ 9 = 11
5. x + 17 = 23	**5.** x - 8 = 2	**5.** 7x = 84	**5.** x ÷ 11 = 7
6. x + 22 = 24	**6.** x - 5 = 7	**6.** 12x = 120	**6.** x ÷ 7 = 7
7. x + 11 = 21	**7.** x - 3 = 11	**7.** 7x = 63	**7.** x ÷ 3 = 5
8. x + 17 = 21	**8.** x - 7 = 2	**8.** 9x = 18	**8.** x ÷ 6 = 11
9. x + 7 = 9	**9.** x - 8 = 11	**9.** 6x = 48	**9.** x ÷ 10 = 7
10. x + 6 = 8	**10.** x - 3 = 7	**10.** 4x = 48	**10.** x ÷ 10 = 11
11. x + 20 = 31	**11.** x - 7 = 3	**11.** 2x = 6	**11.** x ÷ 9 = 2
12. x + 5 = 10	**12.** x - 6 = 12	**12.** 12x = 132	**12.** x ÷ 6 = 2
13. x + 16 = 18	**13.** x - 2 = 16	**13.** 3x = 30	**13.** x ÷ 12 = 6
14. x + 4 = 7	**14.** x - 10 = 9	**14.** 7x = 35	**14.** x ÷ 3 = 9
15. x + 10 = 18	**15.** x - 5 = 8	**15.** 3x = 15	**15.** x ÷ 7 = 8

Solving Linear Equations 1

TASK 1	TASK 2	TASK 3	TASK 4
1. $x = 11$	1. $x = 16$	1. $x = 3$	1. $x = 10$
2. $x = 3$	2. $x = 10$	2. $x = 7$	2. $x = 40$
3. $x = 9$	3. $x = 13$	3. $x = 2$	3. $x = 80$
4. $x = 9$	4. $x = 13$	4. $x = 11$	4. $x = 99$
5. $x = 6$	5. $x = 10$	5. $x = 12$	5. $x = 77$
6. $x = 2$	6. $x = 12$	6. $x = 10$	6. $x = 49$
7. $x = 10$	7. $x = 14$	7. $x = 9$	7. $x = 15$
8. $x = 4$	8. $x = 9$	8. $x = 2$	8. $x = 66$
9. $x = 2$	9. $x = 19$	9. $x = 8$	9. $x = 70$
10. $x = 2$	10. $x = 10$	10. $x = 12$	10. $x = 110$
11. $x = 11$	11. $x = 10$	11. $x = 3$	11. $x = 18$
12. $x = 5$	12. $x = 18$	12. $x = 11$	12. $x = 12$
13. $x = 2$	13. $x = 18$	13. $x = 10$	13. $x = 72$
14. $x = 3$	14. $x = 19$	14. $x = 5$	14. $x = 27$
15. $x = 8$	15. $x = 13$	15. $x = 5$	15. $x = 56$

x = 20

x = 7

6x = 60

x = 21

x ÷ 7 = 9

7x = 35

x = 11

x - 7 = 15

x = 9

x ÷ 7 = 7

x = 36

x - 3 = 15

x = 3

x = 19

x + 23 = 38

x = 16

x + 14 = 34

x = 18

x - 10 = 7

x = 8

x + 18 = 39

x - 5 = 18

x = 27

x ÷ 3 = 9

x = 4

x = 13

x - 4 = 12

x + 2 = 12

x ÷ 4 = 9

x = 22

x = 17

x - 10 = -4

x = 23

x = 63

x = 5

x + 5 = 24

2x = 14

x + 5 = 13

x = 49

x = 24

x + 22 = 33

5x = 20

x + 9 = 12

x = 15

x - 8 = 5

x = 10

12x = 144