

QUICK COVER

Solving linear equations 1

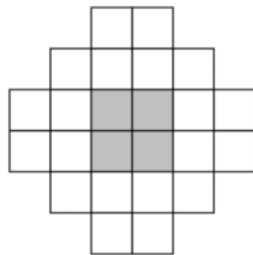
Task 1 : Solve $x + 12 = 30$

Task 2 : Solve $x - 8 = 15$

Task 3 : Solve $4x = 36$

Task 4 : Solve $x \div 5 = 4$

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



Help and hints.....

Solving linear equations 1

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

$$x \div 8 \times 8 = 5 \times 8$$
$$x = 40$$

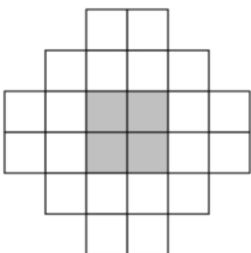
Solving Linear Equations 1

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

Solving Linear Equations 1

ANSWERS

TASK 1	TASK 2	TASK 3	TASK 4
1. $x =$ [REDACTED]	1. $x =$ [REDACTED]	1. $x =$ [REDACTED]	1. $x =$ [REDACTED]
2. $x =$ [REDACTED]	2. $x =$ [REDACTED]	2. $x =$ [REDACTED]	2. $x =$ [REDACTED]
3. $x =$ [REDACTED]	3. $x =$ [REDACTED]	3. $x =$ [REDACTED]	3. $x =$ [REDACTED]
4. $x =$ [REDACTED]	4. $x =$ [REDACTED]	4. $x =$ [REDACTED]	4. $x =$ [REDACTED]
5. $x =$ [REDACTED]	5. $x =$ [REDACTED]	5. $x =$ [REDACTED]	5. $x =$ [REDACTED]
6. $x =$ [REDACTED]	6. $x =$ [REDACTED]	6. $x =$ [REDACTED]	6. $x =$ [REDACTED]
7. $x =$ [REDACTED]	7. $x =$ [REDACTED]	7. $x =$ [REDACTED]	7. $x =$ [REDACTED]
8. $x =$ [REDACTED]	8. $x =$ [REDACTED]	8. $x =$ [REDACTED]	8. $x =$ [REDACTED]
9. $x =$ [REDACTED]	9. $x =$ [REDACTED]	9. $x =$ [REDACTED]	9. $x =$ [REDACTED]
10. $x =$ [REDACTED]	10. $x =$ [REDACTED]	10. $x =$ [REDACTED]	10. $x =$ [REDACTED]
11. $x =$ [REDACTED]	11. $x =$ [REDACTED]	11. $x =$ [REDACTED]	11. $x =$ [REDACTED]
12. $x =$ [REDACTED]	12. $x =$ [REDACTED]	12. $x =$ [REDACTED]	12. $x =$ [REDACTED]
13. $x =$ [REDACTED]	13. $x =$ [REDACTED]	13. $x =$ [REDACTED]	13. $x =$ [REDACTED]
14. $x =$ [REDACTED]	14. $x =$ [REDACTED]	14. $x =$ [REDACTED]	14. $x =$ [REDACTED]
15. $x =$ [REDACTED]	15. $x =$ [REDACTED]	15. $x =$ [REDACTED]	15. $x =$ [REDACTED]



$7x = 35$	$x \div 7 = 7$	$91 = x$	$x - 10 = 7$	$x - 4 = 12$	$x + 5 = 24$	$x + 5 = 13$	$12x = 144$
$6 = 7 \div x$	$x = 6$	$x + 23 = 38$	$x = 18$	$6 = 3 \div x$	$5 = x$	$4 - 10 = -x$	$33 = 22 + x$
$02 = x$	$x - 7 = 15$	$51 = 3 - x$	$x + 14 = 34$	$x = 27$	$x = 63$	$47 = x$	$51 = x$
$12 = x$	$61 = x$	$81 = 5 - x$	$x \div 2 = 12$	$x = 23$	$2x = 14$	$42 = x$	$x + 9 = 12$
$6x = 60$	$x = 11$	$x + 18 = 39$	$8 = x$	$x = 22$	$x = 23$	$69 = x$	$02 = x5$