Task card 1 Literal Equations (Solving for a V...

Solve for y: -4x + 4y = 8

Task card 2 Literal Equations (Solving for a V...

The temperature formula is $F = (\frac{9}{5})C + 32$. Solve for C. Then find C when F = 104.

Task card 3 Literal Equations (Solving for a V...

Solve for y: 4x + 4y = -32

Task card 4 Literal Equations (Solving for a V...

The perimeter of a rectangle is P = 2l + 2w. Solve for l. Then find l when P = 62 and w = 15.

Task card 5 Literal Equations (Solving for a V...

Solve for y: -6x + 3y = -3

Task card 6 Literal Equations (Solving for a V...

A line has the equation y = mx + b. Solve for x. Then find x when y = 43, m = -5 and b = -2.

Task card 7 Literal Equations (Solving for a V...

Solve for y: -15x + 3y = 21

Task card 8 Literal Equations (Solving for a V...

Distance is d = rt. Solve for t. Then find t when d = 180 and r = 30.

Task card 9 Literal Equations (Solving for a V...

Solve for y: -18x - 6y = 54

Task card 10 Literal Equations (Solving for a V...

A line has the equation y = mx + b. Solve for x. Then find x when y = 11, m = 4 and b = -9.

Task card 11 Literal Equations (Solving for a V...

Solve for y: -10x - 2y = 2

Task card 12 Literal Equations (Solving for a V...

The perimeter of a rectangle is P = 2l + 2w. Solve for l. Then find l when P = 44 and w = 15.

Task card 13 Literal Equations (Solving for a V...

Solve for y: 14x + 2y = -6

Task card 14 Literal Equations (Solving for a V...

The area of a triangle is $A = \frac{bh}{2}$. Solve for h. Then find h when A = 18 and b = 4.

Task card 15 Literal Equations (Solving for a V...

Solve for y: -36x + 6y = 24

Task card 16 Literal Equations (Solving for a V...

The volume of a box is V = lwh. Solve for h. Then find h when V = 120, l = 6 and w = 2.

Task card 17 Literal Equations (Solving for a V...

Solve for y: 9x + 3y = 30

Task card 18 Literal Equations (Solving for a V...

A line has the equation y = mx + b. Solve for x. Then find x when y = -19, m = -5 and b = 11.

Task card 19 Literal Equations (Solving for a V...

Solve for y: $48x - 6y = -18$

Task card 20 Literal Equations (Solving for a V...

The perimeter of a rectangle is $P = 2l + 2w$. Solve for l. Then find l when P = 58 and w = 14.

Task card 21 Literal Equations (Solving for a V...

Solve for y: $-28x - 4y = 28$

Task card 22 Literal Equations (Solving for a V...

The temperature formula is $F = (\frac{9}{5})C + 32$. Solve for C. Then find C when F = 203.

Task card 23 Literal Equations (Solving for a V...

Solve for y: $-9x + 3y = -18$

Task card 24 Literal Equations (Solving for a V...

The volume of a box is $V = lwh$. Solve for h. Then find h when V = 160, l = 10 and w = 4.

Literal Equations (Solving for a Variable) Task Cards

Recording sheet · Grade 9 · Solve for the indicated variable. Write two-variable answers in the form y = mx + b.

Scan to check your answers

Name: _____ Date: _____

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

Literal Equations (Solving for a Variable) Task Cards: Answer Key

Grade 9 · Medium

The answers online

1. y = x + 2	**2.** 40	**3.** y = -x - 8
4. 16	**5.** y = 2x - 1	**6.** -9
7. y = 5x + 7	**8.** 6	**9.** y = -3x - 9
10. 5	**11.** y = -5x - 1	**12.** 7
13. y = -7x - 3	**14.** 9	**15.** y = 6x + 4
16. 10	**17.** y = -3x + 10	**18.** 6
19. y = 8x + 3	**20.** 15	**21.** y = -7x - 7
22. 95	**23.** y = 3x - 6	**24.** 4