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

Solve for y: -28x - 4y = -40

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

Distance is d = rt. Solve for t. Then find t when d = 100 and r = 50.

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

Solve for y: 2x + 2y = -18

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 = 48 and w = 8.

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

Solve for y: -40x + 5y = -30

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

The temperature formula is $F = (\frac{9}{5})C + 32$. Solve for C. Then find C when F = 122.

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

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

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

Distance is $d = rt$. Solve for t. Then find t when $d = 30$ and $r = 15$.

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

Solve for y: $-36x + 6y = -30$

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

The area of a triangle is $A = \frac{bh}{2}$. Solve for h. Then find h when $A = 36$ and $b = 6$.

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

Solve for y: $6x - 6y = 30$

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

The temperature formula is $F = (\frac{9}{5})C + 32$. Solve for C. Then find C when $F = 23$.

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

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

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

The temperature formula is $F = (\frac{9}{5})C + 32$. Solve for C. Then find C when F = 131.

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

Solve for y: -12x + 2y = 4

Task card 16 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 17 Literal Equations (Solving for a V...

Solve for y: 28x - 4y = 4

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

The temperature formula is $F = (\frac{9}{5})C + 32$. Solve for C. Then find C when F = 212.

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

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

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

The temperature formula is $F = (\frac{9}{5})C + 32$. Solve for C. Then find C when F = 86.

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

Solve for y: 12x + 3y = -6

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 = 59.

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

Solve for y: 10x + 2y = 2

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

Solve for y: 30x + 6y = 24

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 · Hard

The answers online

1. y = -7x + 10	**2.** 2	**3.** y = -x - 9
4. 16	**5.** y = 8x - 6	**6.** 50
7. y = 3x + 3	**8.** 2	**9.** y = 6x - 5
10. 12	**11.** y = x - 5	**12.** -5
13. y = 8x - 8	**14.** 55	**15.** y = 6x + 2
16. 95	**17.** y = 7x - 1	**18.** 100
19. y = 4x + 4	**20.** 30	**21.** y = -4x - 2
22. 15	**23.** y = -5x + 1	**24.** y = -5x + 4