Task card 1 Writing a Linear Function from a W...

A pool holds 150 liters of water, and a hose adds 37 liters every minute. Write an equation for y, the water in the pool in liters, after x minutes.

Task card 2 Writing a Linear Function from a W...

A gym charges a $58 sign-up fee plus $40 per month. Write an equation for y, the total cost in dollars, after x months.

Task card 3 Writing a Linear Function from a W...

A plumber charges $69 for a visit plus $45 per hour. Write an equation for y, the charge in dollars, after x hours.

Task card 4 Writing a Linear Function from a W...

A taxi ride costs $4 plus $2 per mile. Write an equation for y, the fare in dollars, after x miles.

Task card 5 Writing a Linear Function from a W...

Sam has $131 saved and adds $14 every week. Write an equation for y, the amount saved in dollars, after x weeks.

Task card 6 Writing a Linear Function from a W...

A pool holds 168 liters of water, and a hose adds 17 liters every minute. Write an equation for y, the water in the pool in liters, after x minutes.

Task card 7 Writing a Linear Function from a W...

A taxi ride costs $4 plus $5 per mile. Write an equation for y, the fare in dollars, after x miles.

Task card 8 Writing a Linear Function from a W...

A sunflower is 23 cm tall and grows 4 cm every week. Write an equation for y, the height of the sunflower in cm, after x weeks.

Task card 9 Writing a Linear Function from a W...

Sam has $80 saved and adds $20 every week. Write an equation for y, the amount saved in dollars, after x weeks.

Task card 10 Writing a Linear Function from a W...

A plumber charges $60 for a visit plus $54 per hour. Write an equation for y, the charge in dollars, after x hours.

Task card 11 Writing a Linear Function from a W...

A taxi ride costs $5 plus $3 per mile. Write an equation for y, the fare in dollars, after x miles.

Task card 12 Writing a Linear Function from a W...

A gym charges a $68 sign-up fee plus $44 per month. Write an equation for y, the total cost in dollars, after x months.

Task card 13 Writing a Linear Function from a W...

A plumber charges $86 for a visit plus $38 per hour. Write an equation for y, the charge in dollars, after x hours.

Task card 14 Writing a Linear Function from a W...

Sam has $79 saved and adds $18 every week. Write an equation for y, the amount saved in dollars, after x weeks.

Task card 15 Writing a Linear Function from a W...

A taxi ride costs $6 plus $3 per mile. Write an equation for y, the fare in dollars, after x miles.

Task card 16 Writing a Linear Function from a W...

A gym charges a $41 sign-up fee plus $22 per month. Write an equation for y, the total cost in dollars, after x months.

Task card 17 Writing a Linear Function from a W...

A sunflower is 36 cm tall and grows 9 cm every week. Write an equation for y, the height of the sunflower in cm, after x weeks.

Task card 18 Writing a Linear Function from a W...

A gym charges a $63 sign-up fee plus $22 per month. Write an equation for y, the total cost in dollars, after x months.

Task card 19 Writing a Linear Function from a W...

A taxi ride costs $5 plus $4 per mile. Write an equation for y, the fare in dollars, after x miles.

Task card 20 Writing a Linear Function from a W...

Sam has $34 saved and adds $14 every week. Write an equation for y, the amount saved in dollars, after x weeks.

Task card 21 Writing a Linear Function from a W...

Sam has $112 saved and adds $25 every week. Write an equation for y, the amount saved in dollars, after x weeks.

Task card 22 Writing a Linear Function from a W...

A plumber charges $108 for a visit plus $59 per hour. Write an equation for y, the charge in dollars, after x hours.

Task card 23 Writing a Linear Function from a W...

A pool holds 310 liters of water, and a hose adds 27 liters every minute. Write an equation for y, the water in the pool in liters, after x minutes.

Task card 24 Writing a Linear Function from a W...

A pool holds 326 liters of water, and a hose adds 12 liters every minute. Write an equation for y, the water in the pool in liters, after x minutes.

Writing a Linear Function from a Word Problem Task Cards

Recording sheet · Grade 8 · Write an equation in the form y = mx + b for each situation.

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

Writing a Linear Function from a Word Problem Task Cards: Answer Key

Grade 8 · Easy

The answers online

1. y = 37x + 150	**2.** y = 40x + 58	**3.** y = 45x + 69
4. y = 2x + 4	**5.** y = 14x + 131	**6.** y = 17x + 168
7. y = 5x + 4	**8.** y = 4x + 23	**9.** y = 20x + 80
10. y = 54x + 60	**11.** y = 3x + 5	**12.** y = 44x + 68
13. y = 38x + 86	**14.** y = 18x + 79	**15.** y = 3x + 6
16. y = 22x + 41	**17.** y = 9x + 36	**18.** y = 22x + 63
19. y = 4x + 5	**20.** y = 14x + 34	**21.** y = 25x + 112
22. y = 59x + 108	**23.** y = 27x + 310	**24.** y = 12x + 326