Task card 1 Dependent & Independent Variables

A pool fills with water over time. Let t be the minutes and v be the gallons in the pool. Which variable is the independent variable? Write t or v.

Task card 2 Dependent & Independent Variables

A baker puts 9 muffins in each box. Write an equation for the number of muffins m in b boxes.

Task card 3 Dependent & Independent Variables

Tom earns money for each hour he works. Let h be the hours worked and m be the money earned. Which variable is the independent variable? Write h or m.

Task card 4 Dependent & Independent Variables

Use the equation y = 9x + 13 to find y when x = 4.

Task card 5 Dependent & Independent Variables

Tickets cost 4 dollars each. Write an equation for the total cost c of n tickets.

Task card 6 Dependent & Independent Variables

The number of pages Ava reads depends on the minutes she reads. Let r be the minutes and n be the pages. Which variable is the independent variable? Write r or n.

Task card 7 Dependent & Independent Variables

Kim is 16 years older than her brother. Write an equation for Kim's age k when her brother is a years old.

Task card 8 Dependent & Independent Variables

A plant grows taller each week. Let w be the number of weeks and t be the plant's height. Which variable is the independent variable? Write w or t.

Task card 9 Dependent & Independent Variables

Use the equation $y = 5x + 5$ to find y when $x = 10$.

Task card 10 Dependent & Independent Variables

Kim is 8 years older than her brother. Write an equation for Kim's age k when her brother is a years old.

Task card 11 Dependent & Independent Variables

A pool fills with water over time. Let t be the minutes and v be the gallons in the pool. Which variable is the dependent variable? Write t or v.

Task card 12 Dependent & Independent Variables

Kim is 13 years older than her brother. Write an equation for Kim's age k when her brother is a years old.

Task card 13 Dependent & Independent Variables

A car uses gas as it drives. Let d be the distance driven and g be the gallons of gas used. Which variable is the dependent variable? Write d or g.

Task card 14 Dependent & Independent Variables

Use the equation y = 7x + 4 to find y when x = 12.

Task card 15 Dependent & Independent Variables

A tank already has 5 gallons of water, and g more gallons are added. Write an equation for the total gallons t.

Task card 16 Dependent & Independent Variables

A baker puts 3 muffins in each box. Write an equation for the number of muffins m in b boxes.

Task card 17 Dependent & Independent Variables

Tom earns money for each hour he works. Let h be the hours worked and m be the money earned. Which variable is the dependent variable? Write h or m.

Task card 18 Dependent & Independent Variables

Use the equation y = 4x + 7 to find y when x = 9.

Task card 19 Dependent & Independent Variables

Ava reads 13 pages each day. Write an equation for the pages p she reads in d days.

Task card 20 Dependent & Independent Variables

A tank already has 15 gallons of water, and g more gallons are added. Write an equation for the total gallons t.

Task card 21 Dependent & Independent Variables

The cost of apples depends on how many pounds you buy. Let p be the pounds and c be the cost. Which variable is the dependent variable? Write p or c.

Task card 22 Dependent & Independent Variables

Use the equation $y = 2x + 14$ to find y when $x = 8$.

Task card 23 Dependent & Independent Variables

Ava reads 15 pages each day. Write an equation for the pages p she reads in d days.

Task card 24 Dependent & Independent Variables

The total price of pizzas depends on how many are ordered. Let z be the number of pizzas and y be the total price. Which variable is the independent variable? Write z or y.

Dependent & Independent Variables Task Cards

Recording sheet · Grade 6 · Answer each question.

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

Dependent & Independent Variables Task Cards: Answer Key

Grade 6 · Hard

The answers online

1. t	**2.** m = 9b	**3.** h
4. 49	**5.** c = 4n	**6.** r
7. k = a + 16	**8.** w	**9.** 55
10. k = a + 8	**11.** v	**12.** k = a + 13
13. g	**14.** 88	**15.** t = g + 5
16. m = 3b	**17.** m	**18.** 43
19. p = 13d	**20.** t = g + 15	**21.** c
22. 30	**23.** p = 15d	**24.** z