Task card 1 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 dependent variable? Write z or y.

Task card 2 Dependent & Independent Variables

Tickets cost 3 dollars each. Write an equation for the total cost c of n tickets.

Task card 3 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 4 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 independent variable? Write p or c.

Task card 5 Dependent & Independent Variables

A baker puts 4 muffins in each box. Write an equation for the number of muffins m in b boxes.

Task card 6 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 7 Dependent & Independent Variables

A baker puts 6 muffins in each box. Write an equation for the number of muffins m in b boxes.

Task card 8 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 9 Dependent & Independent Variables

A tank already has 6 gallons of water, and g more gallons are added. Write an equation for the total gallons t.

Task card 10 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 11 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 independent variable? Write d or g.

Task card 12 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 13 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 14 Dependent & Independent Variables

A baker puts 5 muffins in each box. Write an equation for the number of muffins m in b boxes.

Task card 15 Dependent & Independent Variables

A tank already has 7 gallons of water, and g more gallons are added. Write an equation for the total gallons t.

Task card 16 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 dependent variable? Write w or t.

Task card 17 Dependent & Independent Variables

Tickets cost 9 dollars each. Write an equation for the total cost c of n tickets.

Task card 18 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 dependent variable? Write r or n.

Task card 19 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 20 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.

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

Ava reads 7 pages each day. Write an equation for the pages p she reads in d days.

Task card 23 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 24 Dependent & Independent Variables

Ava reads 4 pages each day. Write an equation for the pages p she reads in d days.

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 · Easy

The answers online

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