Dependent & Independent Variables · 1

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.

Dependent & Independent Variables · 2

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

Dependent & Independent Variables · 3

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.

Dependent & Independent Variables · 4

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

Dependent & Independent Variables · 5

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

Dependent & Independent Variables · 6

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.

Dependent & Independent Variables · 7

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

Dependent & Independent Variables · 8

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.

Dependent & Independent Variables · 2

ANSWER

$m = 9b$

Dependent & Independent Variables · 1

ANSWER

t

Dependent & Independent Variables · 4

ANSWER

49

Dependent & Independent Variables · 3

ANSWER

h

Dependent & Independent Variables · 6

ANSWER

r

Dependent & Independent Variables · 5

ANSWER

$c = 4n$

Dependent & Independent Variables · 8

ANSWER

w

Dependent & Independent Variables · 7

ANSWER

$k = a + 16$

Dependent & Independent Variables · 9

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

Dependent & Independent Variables · 10

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

Dependent & Independent Variables · 11

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.

Dependent & Independent Variables · 12

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

Dependent & Independent Variables · 13

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.

Dependent & Independent Variables · 14

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

Dependent & Independent Variables · 15

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

Dependent & Independent Variables · 16

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

Dependent & Independent Variables · 10

ANSWER

$k = a + 8$

Dependent & Independent Variables · 9

ANSWER

55

Dependent & Independent Variables · 12

ANSWER

$k = a + 13$

Dependent & Independent Variables · 11

ANSWER

v

Dependent & Independent Variables · 14

ANSWER

88

Dependent & Independent Variables · 13

ANSWER

g

Dependent & Independent Variables · 16

ANSWER

$m = 3b$

Dependent & Independent Variables · 15

ANSWER

$t = g + 5$

Dependent & Independent Variables · 17

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.

Dependent & Independent Variables · 18

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

Dependent & Independent Variables · 19

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

Dependent & Independent Variables · 20

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

Dependent & Independent Variables · 21

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.

Dependent & Independent Variables · 22

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

Dependent & Independent Variables · 23

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

Dependent & Independent Variables · 24

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 · 18

ANSWER

43

Dependent & Independent Variables · 17

ANSWER

m

Dependent & Independent Variables · 20

ANSWER

t = g + 15

Dependent & Independent Variables · 19

ANSWER

p = 13d

Dependent & Independent Variables · 22

ANSWER

30

Dependent & Independent Variables · 21

ANSWER

c

Dependent & Independent Variables · 24

ANSWER

z

Dependent & Independent Variables · 23

ANSWER

p = 15d