Interpreting Rate of Change & Initial Value · 1

The equation L = 34 − 3h gives the length L, in centimeters, of a candle after it burns for h hours. What does the number 34 represent: the rate of change or the initial value?

Interpreting Rate of Change & Initial Value · 2

The equation P = 9g + 15 gives the monthly phone bill P, in dollars, when g gigabytes of data are used. What does the number 15 represent: the rate of change or the initial value?

Interpreting Rate of Change & Initial Value · 3

The equation V = −21t + 864 gives the water V, in liters, left in a tank t minutes after it starts to drain. What does the number 864 represent: the rate of change or the initial value?

Interpreting Rate of Change & Initial Value · 4

The equation W = 344 + 20t gives the water W, in liters, in a pool t minutes after a hose is turned on. What does the number 20 represent: the rate of change or the initial value?

Interpreting Rate of Change & Initial Value · 5

The equation V = −21t + 731 gives the water V, in liters, left in a tank t minutes after it starts to drain. What does the number 21 represent: the rate of change or the initial value?

Interpreting Rate of Change & Initial Value · 6

The equation P = 40 + 5g gives the monthly phone bill P, in dollars, when g gigabytes of data are used. What does the number 40 represent: the rate of change or the initial value?

Interpreting Rate of Change & Initial Value · 7

The equation E = 96 − 14h gives the battery level E, in percent, of a laptop h hours after it is unplugged. What does the number 96 represent: the rate of change or the initial value?

Interpreting Rate of Change & Initial Value · 8

The equation P = 8g + 39 gives the monthly phone bill P, in dollars, when g gigabytes of data are used. What does the number 8 represent: the rate of change or the initial value?

Interpreting Rate of Change & Initial Value · 2

ANSWER

initial value

Interpreting Rate of Change & Initial Value · 1

ANSWER

initial value

Interpreting Rate of Change & Initial Value · 4

ANSWER

rate of change

Interpreting Rate of Change & Initial Value · 3

ANSWER

initial value

Interpreting Rate of Change & Initial Value · 6

ANSWER

initial value

Interpreting Rate of Change & Initial Value · 5

ANSWER

rate of change

Interpreting Rate of Change & Initial Value · 8

ANSWER

rate of change

Interpreting Rate of Change & Initial Value · 7

ANSWER

initial value

Interpreting Rate of Change & Initial Value · 9

The equation A = 887 − 27d gives the altitude A, in meters, of a hot-air balloon d minutes after it starts to come down. What does the number −27 represent: the rate of change or the initial value?

Interpreting Rate of Change & Initial Value · 10

The equation E = 82 − 14h gives the battery level E, in percent, of a laptop h hours after it is unplugged. What does the number 14 represent: the rate of change or the initial value?

Interpreting Rate of Change & Initial Value · 11

The equation E = −12h + 83 gives the battery level E, in percent, of a laptop h hours after it is unplugged. What does the number 83 represent: the rate of change or the initial value?

Interpreting Rate of Change & Initial Value · 12

The equation E = 90 − 9h gives the battery level E, in percent, of a laptop h hours after it is unplugged. What does the number 90 represent: the rate of change or the initial value?

Interpreting Rate of Change & Initial Value · 13

The equation L = 38 − 3h gives the length L, in centimeters, of a candle after it burns for h hours. What does the number 3 represent: the rate of change or the initial value?

Interpreting Rate of Change & Initial Value · 14

The equation B = 49 − 5c gives the balance B, in dollars, left on a gift card after c coffees are bought. What does the number 49 represent: the rate of change or the initial value?

Interpreting Rate of Change & Initial Value · 15

The equation L = −4h + 36 gives the length L, in centimeters, of a candle after it burns for h hours. What does the number 4 represent: the rate of change or the initial value?

Interpreting Rate of Change & Initial Value · 16

The equation E = −13h + 94 gives the battery level E, in percent, of a laptop h hours after it is unplugged. What does the number 13 represent: the rate of change or the initial value?

Interpreting Rate of Change & Initial Value · 10

ANSWER

rate of change

Interpreting Rate of Change & Initial Value · 9

ANSWER

rate of change

Interpreting Rate of Change & Initial Value · 12

ANSWER

initial value

Interpreting Rate of Change & Initial Value · 11

ANSWER

initial value

Interpreting Rate of Change & Initial Value · 14

ANSWER

initial value

Interpreting Rate of Change & Initial Value · 13

ANSWER

rate of change

Interpreting Rate of Change & Initial Value · 16

ANSWER

rate of change

Interpreting Rate of Change & Initial Value · 15

ANSWER

rate of change

The equation $V = -21t + 886$ gives the water V, in liters, left in a tank t minutes after it starts to drain. What does the number 21 represent: the rate of change or the initial value?

The equation $C = 23h + 26$ gives the cost C, in dollars, of renting a boat for h hours. What does the number 26 represent: the rate of change or the initial value?

The equation $L = 37 - 2h$ gives the length L, in centimeters, of a candle after it burns for h hours. What does the number -2 represent: the rate of change or the initial value?

The equation $S = 26n + 135$ gives the money S, in dollars, in Lena's savings account after n weeks. What does the number 26 represent: the rate of change or the initial value?

The equation $A = 1389 - 29d$ gives the altitude A, in meters, of a hot-air balloon d minutes after it starts to come down. What does the number -29 represent: the rate of change or the initial value?

The equation $H = 13 + 4w$ gives the height H, in centimeters, of a plant w weeks after it was planted. What does the number 4 represent: the rate of change or the initial value?

The equation $L = -2h + 39$ gives the length L, in centimeters, of a candle after it burns for h hours. What does the number 39 represent: the rate of change or the initial value?

The equation $W = 301 + 22t$ gives the water W, in liters, in a pool t minutes after a hose is turned on. What does the number 301 represent: the rate of change or the initial value?

Interpreting Rate of Change & Initial Value · 18

ANSWER

initial value

Interpreting Rate of Change & Initial Value · 17

ANSWER

rate of change

Interpreting Rate of Change & Initial Value · 20

ANSWER

rate of change

Interpreting Rate of Change & Initial Value · 19

ANSWER

rate of change

Interpreting Rate of Change & Initial Value · 22

ANSWER

rate of change

Interpreting Rate of Change & Initial Value · 21

ANSWER

rate of change

Interpreting Rate of Change & Initial Value · 24

ANSWER

initial value

Interpreting Rate of Change & Initial Value · 23

ANSWER

initial value