Word Problems · 1

A job pays $15000 in the first year, with a raise of $5000 every year after. What is the pay in year 5?

Word Problems · 2

A phone plan costs $C(g) = 40g + 14$ dollars a month, where g is gigabytes used. One month the bill is $54. How many gigabytes were used?

Word Problems · 3

Cans are stacked in a triangle: 1 can on top, 2 in the next row, 3 in the next, and so on. How many cans are in a stack with 7 rows?

Word Problems · 4

A company's profit (in dollars) after m months is modeled by $P(m) = 7m + 10$. What is the profit after 4 months?

Word Problems · 5

A theater has 15 seats in the first row, and each row has 5 more seats than the row before it. How many seats are in row 7?

Word Problems · 6

A cup of tea cools so that its temperature after t minutes is $T(t) = 156 - 3t$ degrees. After how many minutes is it 60 degrees?

Word Problems · 7

Rae saves $23 the first week and $4 more each week than the week before. How much has she saved in total after 7 weeks?

Word Problems · 8

Celsius is given by $C(F) = \left(\frac{5}{9}\right)(F - 32)$. What is -13°F in degrees Celsius?

Word Problems · 2

ANSWER

1

Word Problems · 1

ANSWER

35000

Word Problems · 4

ANSWER

38

Word Problems · 3

ANSWER

28

Word Problems · 6

ANSWER

32

Word Problems · 5

ANSWER

45

Word Problems · 8

ANSWER

-25

Word Problems · 7

ANSWER

245

Word Problems · 9

A ball is dropped from 64 feet. Each bounce reaches half the height of the one before. How high does it go on bounce 4?

Word Problems · 10

A cup of tea cools so that its temperature after t minutes is $T(t) = 84 - 2t$ degrees. After how many minutes is it 60 degrees?

Word Problems · 11

A job pays $26000 in the first year, with a raise of $3500 every year after. What is the pay in year 11?

Word Problems · 12

Celsius is given by $C(F) = \left(\frac{5}{9}\right)(F - 32)$. What is 41°F in degrees Celsius?

Word Problems · 13

Rae saves $17 the first week and $9 more each week than the week before. How much has she saved in total after 7 weeks?

Word Problems · 14

A company's profit (in dollars) after m months is modeled by $P(m) = 2m - 1$. What is the profit after 1 month?

Word Problems · 15

A theater has 27 seats in the first row, and each row has 3 more seats than the row before it. How many seats are in row 7?

Word Problems · 16

A phone plan costs $C(g) = 40g + 14$ dollars a month, where g is gigabytes used. One month the bill is $214. How many gigabytes were used?

Word Problems · 10

ANSWER

12

Word Problems · 9

ANSWER

4

Word Problems · 12

ANSWER

5

Word Problems · 11

ANSWER

61000

Word Problems · 14

ANSWER

1

Word Problems · 13

ANSWER

308

Word Problems · 16

ANSWER

5

Word Problems · 15

ANSWER

45

Word Problems · 17

A job pays $13000 in the first year, with a raise of $1000 every year after. What is the pay in year 5?

Word Problems · 18

A phone plan costs C(g) = 20g + 8 dollars a month, where g is gigabytes used. One month the bill is $188. How many gigabytes were used?

Word Problems · 19

A company's profit (in dollars) after m months is modeled by P(m) = 2m + 5. What is the profit after 11 months?

Word Problems · 20

A theater has 20 seats in the first row, and each row has 10 more seats than the row before it. How many seats are in row 9?

Word Problems · 21

Celsius is given by $C(F) = \frac{5}{9}(F - 32)$. What is 50°F in degrees Celsius?

Word Problems · 22

A theater has 30 seats in the first row, and each row has 6 more seats than the row before it. How many seats are in row 5?

Word Problems · 23

A phone plan costs C(g) = 15g + 2 dollars a month, where g is gigabytes used. One month the bill is $62. How many gigabytes were used?

Word Problems · 24

A job pays $13000 in the first year, with a raise of $3000 every year after. What is the pay in year 7?

Word Problems · 18

ANSWER

9

Word Problems · 17

ANSWER

17000

Word Problems · 20

ANSWER

100

Word Problems · 19

ANSWER

27

Word Problems · 22

ANSWER

54

Word Problems · 21

ANSWER

10

Word Problems · 24

ANSWER

31000

Word Problems · 23

ANSWER

4