

MAGOOSH 589 QUANT PRACTICE QUESTIONS

| <i>Chapter</i> | <i>Subject</i> | <i>Number of Questions</i> |
|----------------|--------------------------|----------------------------|
| 01 | Arithmetic and Fractions | 30 |
| 02 | Percents and Ratios | 66 |
| 03 | Integer Properties | 47 |
| 04 | Algebra | 52 |
| 05 | Word Problems | 72 |
| 06 | Powers and Roots | 68 |
| 07 | Geometry | 70 |
| 08 | Coordinate Geometry | 20 |
| 09 | Statistics | 45 |
| 10 | Counting | 28 |
| 11 | Probability | 18 |
| 12 | Data Interpretation (73) | 73 |

[Click in your desire chapter for start practicing](#)

If A, B and C represent different digits in the multiplication,
then $A + B + C =$

$$\begin{array}{r} \text{A A B} \\ \times \quad \text{B} \\ \hline \text{C B 5 B} \end{array}$$

☐ 9

☐ 12

☐ 14

☐ 15

☒ 17

[Back to Results](#)

Question 1 of 30

[Previous](#)

[Next](#)

Title

Product with variable digits

Your Result

Correct

Difficulty

Very Hard

Your Pace

3:11

Others' Pace

3:42

For numbers p , q , and r , $(p \times q \times r) < 0$

and $\frac{(p \times q)^2}{r} < 0$

Column A

Column B

$p \times q$

0



- ☒ The quantity in Column A is greater
- ☐ The quantity in Column B is greater
- ☐ The two quantities are equal
- ☐ The relationship cannot be determined from the information given

[Back to Results](#)

Question 2 of 30

[Previous](#)

[Next](#)

Title
For numbers p , q , and r

Your Result
Correct

Difficulty
Hard

Your Pace
1:00

Others' Pace
1:04

Having received his weekly allowance, John spent $\frac{3}{5}$ of his allowance at the arcade. The next day he spent one third of his remaining allowance at the toy store, and then spent his last \$0.80 at the candy store. What is John's weekly allowance?

☐ \$2.40

☒ \$3.00

☐ \$3.20

☐ \$3.60

☐ \$4.80

[Back to Results](#)

Question 3 of 30

[Previous](#)

[Next](#)

| Title | Your Result | Difficulty | Your Pace | Others' Pace |
|------------------|-------------|------------|-----------|--------------|
| John's Allowance | Correct | Hard | 0:07 | 2:41 |

For positive numbers p and q , $\frac{p-q}{p+q} = \frac{2}{3}$

Column A

Column B

$p + q$

5

- ☐ The quantity in Column A is greater
- ☐ The quantity in Column B is greater
- ☐ The two quantities are equal
- ☒ The relationship cannot be determined from the information given

[Back to Results](#)

Question 4 of 30

[Previous](#)

[Next](#)

Title

For positive numbers $(p - q)/(p + q)$

Your Result

Correct

Difficulty

Very Hard

Your Pace

1:00

Others' Pace

1:33

A certain barrel is $\frac{1}{5}$ full. When k liters of liquid are added to the barrel, it becomes $\frac{2}{3}$ full. In terms of k , what is the capacity of the barrel, in liters?

☐ $\frac{3}{8}k$

☐ $\frac{7}{15}k$

☒ $\frac{15}{7}k$

☐ $\frac{7}{3}k$

☐ $\frac{8}{3}k$

[Back to Results](#)

Question 5 of 30

[Previous](#)

[Next](#)

| Title | Your Result | Difficulty | Your Pace | Others' Pace |
|--------------------|-------------|------------|-----------|--------------|
| Liquid in a barrel | Correct | Hard | 0:07 | 1:53 |

Column A

Column B

The product of integers
from -87 to -36 inclusive

The product of integers
from -58 to -34 inclusive



- ☒ The quantity in Column A is greater
- ☐ The quantity in Column B is greater
- ☐ The two quantities are equal
- ☐ The relationship cannot be determined from the information given

[Back to Results](#)

Question 6 of 30

[Previous](#)

[Next](#)

Title

Products of lots of negative
numbers

Your Result

Correct

Difficulty

Hard

Your Pace

0:04

Others' Pace

0:59

If a , b , and c are real numbers, and $a \neq 0$, which of the following must be true?

- ☒ $a(b + c) = ab + ac$
- ☒ $a(b - c) = ab - ac$
- ☒ $(b + c)/a = b/a + c/a$
- ☒ $(b - c)/a = b/a - c/a$
- ☐ $a/(b + c) = a/b + a/c$
- ☐ $a/(b - c) = a/b - a/c$
- ☐ $(b + c)^a = b^a + c^a$
- ☐ $(b - c)^a = b^a - c^a$

[Back to Results](#)

Question 7 of 30

[Previous](#)[Next](#)

Title
If a , b , and c , Distributive

Your Result
Correct

Difficulty
Medium

Your Pace
0:22

Others' Pace
1:06

In the below addition A, B, C, D, E, F, and G represent the digits 0, 1, 2, 3, 4, 5 and 6. If each variable has a different value, and $E \neq 0$, then G equals

$$\begin{array}{r} \text{A B} \\ + \text{C D} \\ \hline \text{E F G} \end{array}$$

☐ 2

☐ 3

☐ 4

☒ 5

☐ 6

[Back to Results](#)

Question 8 of 30

[Previous](#)

[Next](#)

Title
Finding sum ***

Your Result
Correct

Difficulty
Hard

Your Pace
1:50

Others' Pace
2:49

For a certain event, 148 people attended. If all 148 had paid full admission price, the total revenue would be three times the cost of sponsoring the event. (Admission price was the only source of revenue.) As it happens, only 50 paid the full admission price, and the others paid nothing.

Column A

Column B

the total revenue

the cost of sponsoring the event



- ☒ The quantity in Column A is greater
- ☐ The quantity in Column B is greater
- ☐ The two quantities are equal
- ☐ The relationship cannot be determined from the information given

[Back to Results](#)

Question 9 of 30

[Previous](#)

[Next](#)

Title
For a certain event

Your Result
Correct

Difficulty
Hard

Your Pace
0:04

Others' Pace
1:58

Set K consists of all fractions of the form $x/(x+2)$ where x is a positive even integer less than 20. What is the product of all the fractions in Set K ?

☐ 1/20



☒ 1/10

☐ 1/9

☐ 1/2

☐ 8/9

[Back to Results](#)

Question 10 of 30

[Previous](#)

[Next](#)

Title

Set K, product of fractions

Your Result

Correct

Difficulty

Hard

Your Pace

0:06

Others' Pace

2:13

The decimal $r = 2.666666$ continues forever in that repeating decimal pattern. When written as a fraction in lowest terms, $r = a/b$, where a and b are positive numbers.

Column A

Column B

$a + b$

10



- ☒ The quantity in Column A is greater
- ☐ The quantity in Column B is greater
- ☐ The two quantities are equal
- ☐ The relationship cannot be determined from the information given

[Back to Results](#)

Question 11 of 30

[Previous](#)

[Next](#)

Title

The decimal $r = 2.666666$

Your Result

Correct

Difficulty

Medium

Your Pace

0:15

Others' Pace

1:17

The value of $\frac{(1.3333)(0.6666)(1.125)}{(0.75)(0.8)(0.8333)}$ is closest to

☐ 1/2

☐ 2/3

☐ 3/2

☒ 2

☐ 3

[Back to Results](#)

Question 12 of 30

[Previous](#)

[Next](#)

Title
Evaluation, 3 decimals
over 3 decimals

Your Result
Correct

Difficulty
Hard

Your Pace
0:09

Others' Pace
2:10

$\frac{1}{3} + \frac{2}{5} = p$, and, in lowest terms, $p = \frac{a}{b}$, where a and b are positive integers.

Column A

Column B

b

10



- ☒ The quantity in Column A is greater
- ☐ The quantity in Column B is greater
- ☐ The two quantities are equal
- ☐ The relationship cannot be determined from the information given

[Back to Results](#)

Question 13 of 30

[Previous](#)

[Next](#)

Title

$\frac{1}{3} + \frac{2}{5} = p$

Your Result

Correct

Difficulty

Medium

Your Pace

0:09

Others' Pace

1:00

Which of the following, when rounded to the nearest integer, are rounded to 3?

☒ 3.4

☒ 3.445

☒ 3.494

☒ 3.499

☐ 3.501

☐ 3.61

[Back to Results](#)

Question 14 of 30

[Previous](#)

[Next](#)

Title

Which of the following
when rounded integer

Your Result

Correct

Difficulty

Easy

Your Pace

0:14

Others' Pace

0:27

$$2 - [1 - (1 - [2 - 3] - 2) + 3] =$$

☐ -4



☒ -2

☐ 0

☐ 2

☐ 4

[Back to Results](#)

Question 15 of 30

[Previous](#)

[Next](#)

| Title | Your Result | Difficulty | Your Pace | Others' Pace |
|---------------------|-------------|------------|-----------|--------------|
| Order of operations | Correct | Hard | 0:03 | 0:55 |

For positive numbers p and q , $\frac{p+q}{p} = \frac{10}{7}$

Column A

Column B

$$\frac{p-q}{q}$$

$$\frac{5}{3}$$



- ☐ The quantity in Column A is greater
- ☒ The quantity in Column B is greater
- ☐ The two quantities are equal
- ☐ The relationship cannot be determined from the information given

[Back to Results](#)

Question 16 of 30

[Previous](#)

[Next](#)

Title

For positive numbers p and q , $(p+q)/p$

Your Result

Correct

Difficulty

Medium

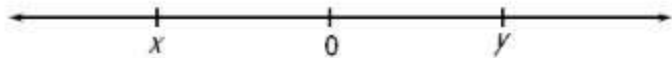
Your Pace

0:05

Others' Pace

1:32

Note: Figure not drawn to scale



If x and y are numbers on the number line above, which of the following statements must be true?

I. $|x+y| < y$

II. $x + y < 0$

III. $xy < 0$

☐ I only



☒ III only

☐ I and II

☐ I and III

☐ II and III

[Back to Results](#)

Question 17 of 30

[Previous](#)

[Next](#)

Title
Number line with x & y

Your Result
Correct

Difficulty
Hard

Your Pace
0:04

Others' Pace
1:08

For positive numbers a , b , and c , $\frac{a \cdot b}{c} = 1$ and $\frac{c}{a} = 4$

Column A

Column B

b

4

- ☐ The quantity in Column A is greater
- ☐ The quantity in Column B is greater
- ☒ The two quantities are equal
- ☐ The relationship cannot be determined from the information given

[Back to Results](#)

Question 18 of 30

[Previous](#)

[Next](#)

Title
For positive numbers
 $(a \cdot b)/c = 1$

Your Result
Correct

Difficulty
Medium

Your Pace
0:27

Others' Pace
1:00

If the numbers $\frac{19}{36}$, $\frac{5}{11}$, $\frac{12}{25}$, $\frac{6}{11}$, and $\frac{8}{18}$ were arranged from least to greatest, which number would be in the middle?

☐ $\frac{19}{36}$



☒ $\frac{12}{25}$

☐ $\frac{6}{11}$

☐ $\frac{5}{11}$

☐ $\frac{8}{18}$

[Back to Results](#)

Question 19 of 30

[Previous](#)

[Next](#)

Title
Ordering

Your Result
Correct

Difficulty
Hard

Your Pace
2:23

Others' Pace
2:03

The fraction $\frac{24}{36}$, when written in lowest terms, is $\frac{a}{b}$, where a and b are positive numbers.

Column A

Column B

$a+b$

6

- ☐ The quantity in Column A is greater
- ☒ The quantity in Column B is greater
- ☐ The two quantities are equal
- ☐ The relationship cannot be determined from the information given

[Back to Results](#)

Question 20 of 30

[Previous](#)

[Next](#)

Title
The fraction 24/36

Your Result
Correct

Difficulty
Easy

Your Pace
0:13

Others' Pace
0:39

If a, b, and c are real numbers, which of the following must be true?



☒ $a + (b + c) = (a + b) + c$

☐ $a - (b - c) = (a - b) - c$



☒ $a*(b*c) = (a*b)*c$

☐ $a/(b/c) = (a/b)/c$

[Back to Results](#)

Question 21 of 30

[Previous](#)

[Next](#)

| Title | Your Result | Difficulty | Your Pace | Others' Pace |
|-----------------------------|-------------|------------|-----------|--------------|
| If a, b, and c, Associative | Correct | Easy | 0:09 | 0:51 |

If $w/x = 2/3$ and $w/y = 8/15$, then $(x+y)/y =$

☐ $4/5$

☐ $6/5$

☐ $7/5$

☐ $8/5$

☒ $9/5$

[Back to Results](#)

Question 22 of 30

[Previous](#)

[Next](#)

Title
w x and y

Your Result
Correct

Difficulty
Hard

Your Pace
1:05

Others' Pace
2:01

$$\frac{\frac{a}{b} + 1}{\frac{c}{b}}$$

In the expression above, a , b and c are different numbers and each is one of the numbers 2, 3 or 5. What is the greatest possible value of the expression?

☐ $\frac{8}{3}$



4

☐ $\frac{9}{2}$

☐ 5

☐ 6

[Back to Results](#)

Question 23 of 30

[Previous](#)

[Next](#)

| Title | Your Result | Difficulty | Your Pace | Others' Pace |
|-------------------------|-------------|------------|-----------|--------------|
| Greatest possible value | Correct | Medium | 0:15 | 1:59 |

$$\frac{1}{1 + \frac{1}{1 - \frac{1}{3}}} =$$



☒ 2/5

☐ 4/7

☐ 2/3

☐ 3/4

☐ 5/6

[Back to Results](#)

Question 24 of 30

[Previous](#)

[Next](#)

| Title | Your Result | Difficulty | Your Pace | Others' Pace |
|--------------------------|-------------|------------|-----------|--------------|
| Fraction within fraction | Correct | Easy | 0:29 | 0:59 |

Which of the following when rounded to the nearest hundredths, are rounded to 4.17?

☐ 4.16496

☒ 4.16501

☒ 4.16849

☒ 4.17469

☒ 4.17496

☐ 4.17501

[Back to Results](#)

Question 25 of 30

[Previous](#)

[Next](#)

Title

Which of the following
when rounded hundredths

Your Result

Correct

Difficulty

Easy

Your Pace

0:16

Others' Pace

0:31

If $\frac{1}{x} + \frac{1}{3} + \frac{1}{4} = 1$, then $x =$

☐ 2

☐ 24/11

☒ 12/5

☐ 5

☐ 6

[Back to Results](#)

Question 26 of 30

[Previous](#)

[Next](#)

Title
Equation, Sum of
Reciprocals

Your Result
Correct

Difficulty
Easy

Your Pace
0:42

Others' Pace
1:31

In the Antares Corporation, $\frac{3}{7}$ of the managers are female. If there are 42 female managers, how many managers in total are there?

☐ 18

☐ 24

☐ 60

☐ 66

☒ 98

[Back to Results](#)

Question 27 of 30

[Previous](#)

[Next](#)

Title

In the Antares Corporation

Your Result

Correct

Difficulty

Easy

Your Pace

1:04

Others' Pace

1:13

If a , b , c and d are different integers between -6 and 10 inclusive, what is the least possible value of the product $abcd$?

☐ -480

☐ -720

☐ -1200

☐ -3600

☒ -4320

[Back to Results](#)

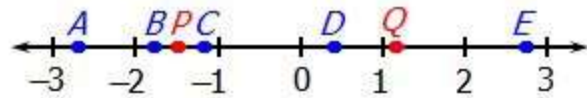
Question 28 of 30

[Previous](#)

[Next](#)

| Title | Your Result | Difficulty | Your Pace | Others' Pace |
|------------------------|-------------|------------|-----------|--------------|
| Least possible product | Correct | Hard | 2:11 | 1:25 |

Which of the following best represents the quotient P/Q ?



☐ A

☐ B

☒ C

☐ D

☐ E

[Back to Results](#)

Question 29 of 30

[Previous](#)

[Next](#)

Title
Number line quotient

Your Result
Correct

Difficulty
Medium

Your Pace
1:21

Others' Pace
1:07

Both P and Q are positive numbers, and S is a negative number. Which of the following fractions could be undefined?

☒ $P/(Q + S)$

☒ $Q/(P + S)$

☐ $S/(P + Q)$

☐ $Q/(S - P)$

☒ $S/(P - Q)$

[Back to Results](#)

Question 30 of 30

[Previous](#)

[Next](#)

Title
Both P and Q undefined
fractions

Your Result
Correct

Difficulty
Medium

Your Pace
0:09

Others' Pace
1:04

If the population of Townville went from 2105 to 1705, then the percent decrease in population is closest to



☒ 19

☐ 21

☐ 22

☐ 23

☐ 24

[Back to Results](#)

Question 1 of 66

[Previous](#)

[Next](#)

| Title | Your Result | Difficulty | Your Pace | Others' Pace |
|---------------------|-------------|------------|-----------|--------------|
| Population Decrease | Correct | Easy | 0:13 | 1:06 |

An orchard contains only cherry trees, apple trees and peach trees. The ratio of apple trees to peach trees is 2:3, and the ratio of cherry trees to peach trees is 2:1. There are 33 trees altogether.

| Column A | Column B |
|-----------------------|----------|
| Number of peach trees | 8 |



- ☒ The quantity in Column A is greater
- ☐ The quantity in Column B is greater
- ☐ The two quantities are equal
- ☐ The relationship cannot be determined from the information given

[Back to Results](#)

Question 2 of 66

[Previous](#)[Next](#)

Title
Orchard trees

Your Result
Correct

Difficulty
Easy

Your Pace
2:37

Others' Pace
1:57

After receiving a 25% discount, Sue paid \$180 for a lawnmower. What is the original price of the lawnmower before the discount?

☐ \$215

☐ \$220

☐ \$225

☒ \$240

☐ \$245

[Back to Results](#)

Question 3 of 66

[Previous](#)

[Next](#)

| Title | Your Result | Difficulty | Your Pace | Others' Pace |
|----------------------|-------------|------------|-----------|--------------|
| Sue Buys a Lawnmower | Correct | Easy | 1:40 | 1:05 |

Four friends win \$120,000 in the lottery, and they divided the winnings in a 1:2:4:5 ratio.

Column A

Column B

The difference between the greatest and least share.

\$40,000

- ☐ The quantity in Column A is greater
- ☐ The quantity in Column B is greater
- ☒ The two quantities are equal
- ☐ The relationship cannot be determined from the information given

[Back to Results](#)

Question 4 of 66

[Previous](#)

[Next](#)

Title
Lottery winners

Your Result
Correct

Difficulty
Medium

Your Pace
2:16

Others' Pace
1:02

Column A

Column B

43 percent of 63

63 percent of 43

- ☐ The quantity in Column A is greater
- ☐ The quantity in Column B is greater
- ☒ The two quantities are equal
- ☐ The relationship cannot be determined from the information given

[Back to Results](#)

Question 5 of 66

[Previous](#)

[Next](#)

Title
43 percent of 63

Your Result
Correct

Difficulty
Easy

Your Pace
0:27

Others' Pace
0:35

On Monday, the regular price of a widget was discounted by 25 percent. On Tuesday, the reduced price was discounted by 50 percent. If the final price was \$60, what was the regular price?

☐ \$135

☐ \$150

☒ \$160

☐ \$175

☐ \$180

[Back to Results](#)

Question 6 of 66

[Previous](#)

[Next](#)

| Title | Your Result | Difficulty | Your Pace | Others' Pace |
|--------------------------|-------------|------------|-----------|--------------|
| Original price of widget | Correct | Easy | 1:14 | 1:40 |

If $x > 0$, which of the following expressions are equal to 3.6 percent of $(5x)/12$?

Indicate all such expressions.

☐ 3 percent of $20x$

☒ x percent of $3/2$

☐ $3x$ percent of 0.2

☐ 0.05 percent of $3x$

☒ $(3x)/200$

[Back to Results](#)

Question 7 of 66

[Previous](#)

[Next](#)

| Title | Your Result | Difficulty | Your Pace | Others' Pace |
|-------------------------|-------------|------------|-----------|--------------|
| 3.6 Percent of Fraction | Correct | Medium | 0:12 | 1:51 |

x and y are positive.

30 percent of x is y.

Column A

Column B

x/y

3



- ☒ The quantity in Column A is greater
- ☐ The quantity in Column B is greater
- ☐ The two quantities are equal
- ☐ The relationship cannot be determined from the information given

[Back to Results](#)

Question 8 of 66

[Previous](#)

[Next](#)

Title
30 percent of x equals y

Your Result
Correct

Difficulty
Medium

Your Pace
0:43

Others' Pace
0:57

Tuk weighs 60 percent more than Kim, Lee weighs 50 percent less than Tuk, and Pat weighs 25 percent more than Lee. If Pat weighs 126 pounds, what is Kim's weight?

126

[Back to Results](#)

Question 9 of 66

[Previous](#)

[Next](#)

Title
Tuk, Kim, Lee and Pat's
Weights

Your Result
Correct

Difficulty
Medium

Your Pace
0:48

Others' Pace
1:46

Column A

Column B

The percent increase from
11 to 16

The percent decrease from
16 to 11



- ☒ The quantity in Column A is greater
- ☐ The quantity in Column B is greater
- ☐ The two quantities are equal
- ☐ The relationship cannot be determined from the information given

[Back to Results](#)

Question 10 of 66

[Previous](#)

[Next](#)

Title

Increase from 11 to 16

Your Result

Correct

Difficulty

Medium

Your Pace

0:30

Others' Pace

0:52

The revenue generated by Company X is divided between Doug and Moira in a 6 to 5 ratio respectively.

| Column A | Column B |
|---|----------|
| Moira's share when the revenue generated by Company X is \$15,700 | \$7900 |

- ☐ The quantity in Column A is greater
- ☒ The quantity in Column B is greater
- ☐ The two quantities are equal
- ☐ The relationship cannot be determined from the information given

[Back to Results](#)

Question 11 of 66

[Previous](#)

[Next](#)

Title
Dividing company revenue

Your Result
Correct

Difficulty
Medium

Your Pace
0:30

Others' Pace
1:28

For positive numbers X , Y , and Z , $\frac{Z}{Y} = \frac{35}{6}$ and $\frac{Z}{X} = \frac{35}{8}$

Column A

Column B

X

Y



- ☒ The quantity in Column A is greater
- ☐ The quantity in Column B is greater
- ☐ The two quantities are equal
- ☐ The relationship cannot be determined from the information given

[Back to Results](#)

Question 12 of 66

[Previous](#)

[Next](#)

Title

For positive numbers Z/Y
 $= 35/6$

Your Result

Correct

Difficulty

Medium

Your Pace

0:37

Others' Pace

1:08

Column A

Column B

0.05 percent of 4000

$\frac{1}{200}$ of 4000

- ☐ The quantity in Column A is greater
- ☒ The quantity in Column B is greater
- ☐ The two quantities are equal
- ☐ The relationship cannot be determined from the information given

[Back to Results](#)

Question 13 of 66

[Previous](#)

[Next](#)

Title

Point 05 percent

Your Result

Correct

Difficulty

Hard

Your Pace

0:32

Others' Pace

0:49

Column A

Column B

$\frac{4}{5}\%$

0.8

- ☐ The quantity in Column A is greater
- ☒ The quantity in Column B is greater
- ☐ The two quantities are equal
- ☐ The relationship cannot be determined from the information given

[Back to Results](#)

Question 14 of 66

[Previous](#)

[Next](#)

Title

4 fifths percent

Your Result

Correct

Difficulty

Hard

Your Pace

0:30

Others' Pace

0:29

The sales tax at a certain store is 15 percent. The total price of an item, including sales tax, is \$45.

| Column A | Column B |
|-----------------------------------|----------|
| Price of item excluding sales tax | \$39 |



- ☒ The quantity in Column A is greater
- ☐ The quantity in Column B is greater
- ☐ The two quantities are equal
- ☐ The relationship cannot be determined from the information given

[Back to Results](#)

Question 15 of 66

[Previous](#)[Next](#)

Title
15 percent sales tax

Your Result
Correct

Difficulty
Hard

Your Pace
0:46

Others' Pace
1:10

The length and width of a rectangular yard are 11 meters and 5 meters respectively. If each dimension were reduced by x meters to make the ratio of length to width 8 to 3, what would be the value of x ?



☒ 1.4

☐ 1.6

☐ 1.8

☐ 2.0

☐ 2.2

[Back to Results](#)

Question 16 of 66

[Previous](#)

[Next](#)

| Title | Your Result | Difficulty | Your Pace | Others' Pace |
|-----------------------|-------------|------------|-----------|--------------|
| Yard length and width | Correct | Medium | 0:06 | 1:45 |

Ashley's score was 20% higher than Bert's score. Bert's score was 20% lower than Charles' score.

| Column A | Column B |
|----------------|----------------|
| Ashley's score | Charles' score |

- ☐ The quantity in Column A is greater
- ☒ The quantity in Column B is greater
- ☐ The two quantities are equal
- ☐ The relationship cannot be determined from the information given

[Back to Results](#)

Question 17 of 66

[Previous](#)[Next](#)

| Title | Your Result | Difficulty | Your Pace | Others' Pace |
|--------------------|-------------|------------|-----------|--------------|
| Ashley's score was | Correct | Hard | 1:14 | 1:22 |

Cindy invests \$10000 in an account that pays an annual rate of 3.96%, compounding semi-annually. Approximately how much does she have in her account after two years?

☐ \$10079.44

☒ \$10815.83

☐ \$12652.61

☐ \$14232.14

☐ \$20598.11

[Back to Results](#)

Question 18 of 66

[Previous](#)

[Next](#)

| Title | Your Result | Difficulty | Your Pace | Others' Pace |
|-----------------------|-------------|------------|-----------|--------------|
| Cindy invests \$10000 | Correct | Hard | 2:15 | 2:08 |

Yesterday, Carl had 40 percent more CDs than Karen had.
Today, Carl gave 20 percent of his CDs to Karen.

| Column A | Column B |
|------------------------------------|-------------------------------------|
| Number of CDs that Carl now has | Number of CDs that Karen now has |

- ☐ The quantity in Column A is greater
- ☒ The quantity in Column B is greater
- ☐ The two quantities are equal
- ☐ The relationship cannot be determined from the information given

[Back to Results](#)

Question 19 of 66

[Previous](#)[Next](#)

Title
Carls CDs

Your Result
Correct

Difficulty
Hard

Your Pace
1:33

Others' Pace
1:47

$$wxy \neq 0$$

$$3w = 4x, 4y = 3x$$

Column A

Column B

The ratio of w to y

1



- ☒ The quantity in Column A is greater
- ☐ The quantity in Column B is greater
- ☐ The two quantities are equal
- ☐ The relationship cannot be determined from the information given

[Back to Results](#)

Question 20 of 66

[Previous](#)

[Next](#)

Title
Ratio of w to y vs 1

Your Result
Correct

Difficulty
Hard

Your Pace
0:52

Others' Pace
1:20

0.25% =

☐ 1/4

☐ 1/40

☒ 1/400

☐ 1/4000

☐ 1/40000

[Back to Results](#)

Question 21 of 66

[Previous](#)

[Next](#)

| Title | Your Result | Difficulty | Your Pace | Others' Pace |
|---------------|-------------|------------|-----------|--------------|
| Small percent | Correct | Medium | 0:28 | 0:33 |

Captown is the capital city of Maltania. If the population of Captown is 25 percent of the rest of the population of Maltania, then the population of Captown is what percent of the entire population of Maltania?

☐ 6.25

☐ 10

☐ 12.5

☒ 20

☐ 25

[Back to Results](#)

Question 22 of 66

[Previous](#)

[Next](#)

| Title | Your Result | Difficulty | Your Pace | Others' Pace |
|------------------------|-------------|------------|-----------|--------------|
| 25 percent of Maltania | Correct | Hard | 1:14 | 1:57 |

In Townville, the ratio of cats to dogs is 4 to 11.

In Villagetown, the ratio of cats to dogs is 3 to 8.

Column A

Column B

The number of cats in
Townville

The number of cats in
Villagetown

☐ The quantity in Column A is greater

☐ The quantity in Column B is greater

☐ The two quantities are equal



☒ The relationship cannot be determined from the information given

[Back to Results](#)

Question 23 of 66

[Previous](#)

[Next](#)

Title
Cats and dogs in
Villagetown and Townville

Your Result
Correct

Difficulty
Hard

Your Pace
0:10

Others' Pace
0:39

If y is 80 percent greater than x, then x is what percent less than y?

☐ 20

☐ 25

☐ $33\frac{1}{3}$

☒ $44\frac{4}{9}$

☐ 80

[Back to Results](#)

Question 24 of 66

[Previous](#)

[Next](#)

Title

Y is 80 Percent Greater than X

Your Result

Correct

Difficulty

Hard

Your Pace

0:45

Others' Pace

1:48

If 100,000 microns = 1 decimeter, and 1,000,000,000 angstroms = 1 decimeter, how many angstroms equal 1 micron?

☐ 0.00001

☐ 0.0001

☐ 0.001



☒ 10,000

☐ 100,000

[Back to Results](#)

Question 25 of 66

[Previous](#)

[Next](#)

Title
Decimeters

Your Result
Correct

Difficulty
Medium

Your Pace
1:25

Others' Pace
1:29

Yesterday, a certain school had an equal number of boys and girls. Today, 18 boys left the school, and the ratio of the number of boys to girls is now 3 to 4.

| Column A | Column B |
|-----------------------------------|----------|
| Number of boys in the school now. | 72 |

- ☐ The quantity in Column A is greater
- ☒ The quantity in Column B is greater
- ☐ The two quantities are equal
- ☐ The relationship cannot be determined from the information given

[Back to Results](#)

Question 26 of 66

[Previous](#)[Next](#)

Title
18 boys left the school

Your Result
Correct

Difficulty
Hard

Your Pace
0:11

Others' Pace
1:42

If A is the initial amount put into an account, P is the annual percentage rate of interest, which remains fixed, and the account compounds quarterly, which of the following is an expression, in terms of A and P, for the amount in the account after 5 years?

☐ $4A\left(\frac{P}{100}\right)^5$

☐ $A\left(\frac{P}{400}\right)^{20}$

☐ $A\left(1 + \frac{P}{100}\right)^5$

☐ $A\left(1 + \frac{P}{25}\right)^{20}$

☒ $A\left(1 + \frac{P}{400}\right)^{20}$

[Back to Results](#)

Question 27 of 66

[Previous](#)

[Next](#)

Title
If A is the

Your Result
Correct

Difficulty
Hard

Your Pace
0:50

Others' Pace
1:29

Anne pays 150 percent more for a wholesale widget than Bart pays.

Anne's retail price per widget is 15 percent greater than the wholesale price she paid.

Bart's retail price per widget is 185 percent greater than the wholesale price he paid.

Column A

Column B

Anne's retail price.

Bart's retail price.



- ☒ The quantity in Column A is greater
- ☐ The quantity in Column B is greater
- ☐ The two quantities are equal
- ☐ The relationship cannot be determined from the information given

[Back to Results](#)

Question 28 of 66

[Previous](#)

[Next](#)

Title
Buying widgets at 150 percent more

Your Result
Correct

Difficulty
Very Hard

Your Pace
2:42

Others' Pace
2:25

This year, Bonnie's annual salary was increased by 15% to \$68,425

| Column A | Column B |
|----------------------------------|----------|
| Bonnie's annual salary last year | \$60,000 |

- ☐ The quantity in Column A is greater
- ☒ The quantity in Column B is greater
- ☐ The two quantities are equal
- ☐ The relationship cannot be determined from the information given

[Back to Results](#)

Question 29 of 66

[Previous](#)

[Next](#)

Title
Bonnie's salary

Your Result
Correct

Difficulty
Easy

Your Pace
2:20

Others' Pace
1:02

Townville has a population of 1213.

296 people in Townville speak Spanish.

| Column A | Column B |
|---|----------|
| Percentage of people in Townville who speak Spanish | 25 |

- ☐ The quantity in Column A is greater
- ☒ The quantity in Column B is greater
- ☐ The two quantities are equal
- ☐ The relationship cannot be determined from the information given

[Back to Results](#)

Question 30 of 66

[Previous](#)

[Next](#)

Title
Percent spanish speakers
vs

Your Result
Correct

Difficulty
Easy

Your Pace
0:59

Others' Pace
0:44

A computer can perform c calculations in s seconds. How many minutes will it take the computer to perform k calculations?

☐ $60ks/c$

☐ ks/c

☒ $ks/60c$

☐ $60c/ks$

☐ $k/60cs$

[Back to Results](#)

Question 31 of 66

[Previous](#)

[Next](#)

| Title | Your Result | Difficulty | Your Pace | Others' Pace |
|-----------------------|-------------|------------|-----------|--------------|
| Computer calculations | Correct | Hard | 0:42 | 1:30 |

Column A

Column B

43 percent of 207

85



- ☒ The quantity in Column A is greater
- ☐ The quantity in Column B is greater
- ☐ The two quantities are equal
- ☐ The relationship cannot be determined from the information given

[Back to Results](#)

Question 32 of 66

[Previous](#)

[Next](#)

Title

43 percent of 207

Your Result

Correct

Difficulty

Easy

Your Pace

0:26

Others' Pace

0:27

Column A

22 percent of x

Column B

$\frac{2}{9}$ of x

- ☐ The quantity in Column A is greater
- ☐ The quantity in Column B is greater
- ☐ The two quantities are equal
- ☒ The relationship cannot be determined from the information given

[Back to Results](#)

Question 33 of 66

[Previous](#)

[Next](#)

Title

22 percent of x

Your Result

Correct

Difficulty

Very Hard

Your Pace

0:13

Others' Pace

0:31

In 2008, the total revenue from movies was 842.1 million dollars. If Rocky XII generated 4.2 million dollars in revenue, approximately what percent of the total revenue was generated by Rocky XII?

☐ 0.005%

☐ 0.05%

☒ 0.5%

☐ 4%

☐ 5%

[Back to Results](#)

Question 34 of 66

[Previous](#)

[Next](#)

| Title | Your Result | Difficulty | Your Pace | Others' Pace |
|---------------|-------------|------------|-----------|--------------|
| Movie Revenue | Correct | Medium | 1:06 | 1:14 |

At the moment there are 54,210 tagged birds in a certain wildlife refuge. If exactly 20 percent of all birds in the refuge are tagged, what percent of the untagged birds must be tagged so that half of all birds in the refuge are tagged?

☐ 25

☐ 30

☐ $33\frac{1}{3}$



☒ $37\frac{1}{2}$

☐ 50

[Back to Results](#)

Question 35 of 66

[Previous](#)

[Next](#)

Title
Tagged Birds

Your Result
Correct

Difficulty
Hard

Your Pace
0:20

Others' Pace
2:59

In 2003, the number of girls attending Jefferson High School was equal to the number of boys. In 2004, the population of girls and the population of boys both increased by 20 percent. Which of the following could be the total student population at Jefferson High School in 2004?

☐ 4832

☐ 5034

☐ 5058

☒ 5076

☐ 5128

[Back to Results](#)

Question 36 of 66

[Previous](#)

[Next](#)

Title
Possible student
populations

Your Result
Correct

Difficulty
Hard

Your Pace
2:15

Others' Pace
2:44

The numbers p and q are both positive. If p percent of 160 equals q percent of 40, then $p/q =$

☐ Cannot be determined



☒ 1/4

☐ 2/5

☐ 5/2

☐ 4

[Back to Results](#)

Question 37 of 66

[Previous](#)

[Next](#)

| Title | Your Result | Difficulty | Your Pace | Others' Pace |
|------------------|-------------|------------|-----------|--------------|
| X Percent of 160 | Correct | Medium | 0:40 | 1:10 |

If $y = x/5$, then what is the ratio of $2x$ to $3y$?

☐ 2/15

☐ 3/10

☐ 3/2

☒ 10/3

☐ 15/2

[Back to Results](#)

Question 38 of 66

[Previous](#)

[Next](#)

Title
Ratio 2x to 3y

Your Result
Correct

Difficulty
Medium

Your Pace
0:35

Others' Pace
1:10

For a long time, the price of a certain console remained the same. Because of new tariffs, the price of this console increased by 50% last week, and stayed at this new level. This week, Amanda purchased the console with a 50%-off coupon. Amanda paid \$240. What was the original price, before the last week's price increase?

☐ 90

☐ 180

☐ 240

☒ 320

☐ 360

[Back to Results](#)

Question 39 of 66

[Previous](#)

[Next](#)

Title
For a long time price of console

Your Result
Correct

Difficulty
Medium

Your Pace
2:50

Others' Pace
1:48

A retailer purchases shirts from a wholesaler and then sells the shirts in her store at a retail price that is 80 percent greater than the wholesale price. If the retailer decreases the retail price by 30 percent this will have the same effect as increasing the wholesale price by what percent?



☒ 26

☐ 37.5

☐ 42

☐ 44

☐ 50

[Back to Results](#)

Question 40 of 66

[Previous](#)

[Next](#)

| Title | Your Result | Difficulty | Your Pace | Others' Pace |
|-------------|-------------|------------|-----------|--------------|
| Shirt Price | Correct | Medium | 2:22 | 1:49 |

Diana invested \$61,293 in an account with a fixed annual percent of interest, compounding quarterly. At the end of five full years, she had \$76,662.25 in principal plus interest. Approximately what was the annual percent rate of interest for this account?

☐ 1.2%



☒ 4.5%

☐ 10%

☐ 18%

☐ 25.2%

[Back to Results](#)

Question 41 of 66

[Previous](#)

[Next](#)

| Title | Your Result | Difficulty | Your Pace | Others' Pace |
|-------------------------|-------------|------------|-----------|--------------|
| Diana invested \$61,293 | Correct | Hard | 1:13 | 2:34 |

The ratio of two positive numbers is 3 to 4. If k is added to each number the new ratio will be 4 to 5, and the sum of the numbers will be 117. What is the value of k ?

☐ 1



☒ 13

☐ 14

☐ 18

☐ 21

[Back to Results](#)

Question 42 of 66

[Previous](#)

[Next](#)

Title
Adding K

Your Result
Correct

Difficulty
Hard

Your Pace
0:14

Others' Pace
3:32

In a certain town in Connecticut, the ratio of NY Yankees fans to NY Mets fans is 3:2, and the ratio of NY Mets fans to Boston Red Sox fans is 4:5. If there are 300 baseball fans in the town, each of whom is a fan of exactly one of those three teams, how many NY Mets fans are there in this town?

- ☐ 75
- ☒ 80
- ☐ 90
- ☐ 120
- ☐ 133

[Back to Results](#)

Question 43 of 66

[Previous](#)[Next](#)

| Title | Your Result | Difficulty | Your Pace | Others' Pace |
|------------------------|-------------|------------|-----------|--------------|
| In a certain town Mets | Correct | Medium | 1:06 | 2:01 |

If \$5,000,000 is the initial amount placed in an account that collects 7% annual interest, which of the following compounding rates would produce the largest total amount after two years?

- ☐ compounding annually
- ☐ compounding quarterly
- ☐ compounding monthly
- ☒ compounding daily
- ☐ All four of these would produce the same total

[Back to Results](#)

Question 44 of 66

[Previous](#)[Next](#)

| Title | Your Result | Difficulty | Your Pace | Others' Pace |
|-----------------------|-------------|------------|-----------|--------------|
| If \$5,000,000 is the | Correct | Medium | 0:04 | 0:45 |

Increasing the original price of a certain item by 25 percent and then increasing the new price by 25 percent is equivalent to increasing the original price by what percent?

☐ 31.25

☐ 37.50

☐ 50.00

☐ 52.50

☒ 56.25

[Back to Results](#)

Question 45 of 66

[Previous](#)

[Next](#)

Title
Increase Followed by
Increase

Your Result
Correct

Difficulty
Medium

Your Pace
1:13

Others' Pace
1:16

A class consists of 24 students. Which of the following CANNOT be the ratio of the number of girls to the number of boys?

☐ 1:2

☐ 3:5

☐ 1:1

☒ 4:3

☐ 7:5

[Back to Results](#)

Question 46 of 66

[Previous](#)

[Next](#)

Title
Possible Ratios

Your Result
Correct

Difficulty
Medium

Your Pace
0:25

Others' Pace
0:55

If $xy \neq 0$, and 75 percent of x equals 125 percent of y , which of the following is true?

- ☐ y is 25 percent of x
- ☐ y is 40 percent of x
- ☒ y is 60 percent of x
- ☐ y is 140 percent of x
- ☐ y is $166\frac{2}{3}$ percent of x

[Back to Results](#)

Question 47 of 66

[Previous](#)[Next](#)

| Title | Your Result | Difficulty | Your Pace | Others' Pace |
|-------------------|-------------|------------|-----------|--------------|
| 75 percent of x | Correct | Easy | 1:04 | 1:27 |

If $xy \neq 0$ and $2x + 3y$ is equal to 175 percent of $8x$, then x/y =

☐ 1/16

☐ 3/20

☐ 3/16

☒ 1/4

☐ 3/8

[Back to Results](#)

Question 48 of 66

[Previous](#)

[Next](#)

Title
175 percent of $8x$

Your Result
Correct

Difficulty
Easy

Your Pace
1:04

Others' Pace
1:44

In Ophiuchus Corporation, 60% of the total revenue R is devoted to the advertising budget. Five-sixths of this advertising budget was spent on television advertising. Which of the following represents the dollar amount spent on television advertising?



☒ $R/2$

☐ $R/3$

☐ $2R/3$

☐ $2R/5$

☐ $4R/5$

[Back to Results](#)

Question 49 of 66

[Previous](#)

[Next](#)

| Title | Your Result | Difficulty | Your Pace | Others' Pace |
|--------------------------|-------------|------------|-----------|--------------|
| In Ophiuchus Corporation | Correct | Easy | 1:35 | 1:27 |

When 12 marbles are added to a rectangular aquarium, the water in the aquarium rises $1\frac{1}{2}$ inches. In total, how many marbles must be added to the aquarium to raise the water $2\frac{3}{4}$ inches?

☐ 16

☐ 18

☐ 20

☒ 22

☐ 24

[Back to Results](#)

Question 50 of 66

[Previous](#)

[Next](#)

| Title | Your Result | Difficulty | Your Pace | Others' Pace |
|------------------|-------------|------------|-----------|--------------|
| Aquarium marbles | Correct | Easy | 1:59 | 1:42 |

To reach her destination, Jeanette must drive 90 miles. If she drives 5 miles every 7 minutes, how much time will it take her to reach her destination?

- ☐ 2 hours and 2 minutes
- ☒ 2 hours and 6 minutes
- ☐ 2 hours and 10 minutes
- ☐ 2 hours and 12 minutes
- ☐ 2 hours and 15 minutes

[Back to Results](#)

Question 51 of 66

[Previous](#)[Next](#)

| Title | Your Result | Difficulty | Your Pace | Others' Pace |
|--------------------------|-------------|------------|-----------|--------------|
| Jeanette Drives 90 Miles | Correct | Easy | 0:47 | 1:13 |

In a certain school, there are 160 boys and 240 girls. If 15 percent of the boys are left-handed and 25 percent of the girls are left-handed, what percent of the school's entire student population is left-handed?

☐ 18

☐ 20

☒ 21

☐ 23

☐ 24

[Back to Results](#)

Question 52 of 66

[Previous](#)

[Next](#)

| Title | Your Result | Difficulty | Your Pace | Others' Pace |
|----------------------|-------------|------------|-----------|--------------|
| Left-handed Students | Correct | Easy | 2:17 | 1:41 |

On a certain high school athletic team, the ratio of freshmen to sophomores to juniors to seniors is 1:3:4:6. If there are 60 juniors on the team, how many students in total are on the team?

☐ 90

☐ 140

☐ 150

☐ 180

☒ 210

[Back to Results](#)

Question 53 of 66

[Previous](#)

[Next](#)

| Title | Your Result | Difficulty | Your Pace | Others' Pace |
|-------------------------------|-------------|------------|-----------|--------------|
| On a certain high school team | Correct | Easy | 2:36 | 1:21 |

In Dewey Elementary School, there are two second-grade classes: class A has 35 students and class B has 45 students. If 40% of the students in class A walk to school, and 80% of the students in class B walk to school, what percent of all the students in the second-grade at Dewey Elementary walk to school?

☐ 40%

☐ 42.5%

☐ 60%

☒ 62.5%

☐ 75%

[Back to Results](#)

Question 54 of 66

[Previous](#)

[Next](#)

Title
In Dewey Elementary
School

Your Result
Correct

Difficulty
Easy

Your Pace
2:38

Others' Pace
1:41

Peter invests \$100,000 in an account that pays 12% annual interest: the interest is paid once, at the end of the year. Martha invests \$100,000 in an account that pays 12% annual interest, compounding monthly at the end of each month. At the end of one full year, compared to Peter's account, approximately how much more does Martha's account have?

- ☐ Zero
- ☐ \$68.25
- ☒ \$682.50
- ☐ \$6825.00
- ☐ \$68250.00

[Back to Results](#)

Question 55 of 66

[Previous](#)[Next](#)**Title**

Peter invests \$100,000

Your Result

Correct

Difficulty

Very Hard

Your Pace

0:16

Others' Pace

2:46

If 24 kilograms of flour are required to make 300 tarts, how many kilograms of flour are required to make 45 tarts?

☐ 10/3

☐ 32/9

☒ 18/5

☐ 15/4

☐ 64/15

[Back to Results](#)

Question 56 of 66

[Previous](#)

[Next](#)

| Title | Your Result | Difficulty | Your Pace | Others' Pace |
|--------------|-------------|------------|-----------|--------------|
| Making tarts | Correct | Easy | 0:54 | 1:27 |

If 20 percent of $3k$ is 6, what is 40 percent of k ?



☒ 4

☐ 12

☐ 24

☐ 36

☐ 72

[Back to Results](#)

Question 57 of 66

[Previous](#)

[Next](#)

| Title | Your Result | Difficulty | Your Pace | Others' Pace |
|-------------------------|-------------|------------|-----------|--------------|
| 20 percent of $3k$ is 6 | Correct | Easy | 0:47 | 0:51 |

If the sales tax on a \$12.00 purchase is \$0.66, what is the sales tax on a \$20.00 purchase?

☐ \$1.08

☒ \$1.10

☐ \$1.16

☐ \$1.18

☐ \$1.20

[Back to Results](#)

Question 58 of 66

[Previous](#)

[Next](#)

| Title | Your Result | Difficulty | Your Pace | Others' Pace |
|---------------|-------------|------------|-----------|--------------|
| Percent sales | Correct | Easy | 1:21 | 1:05 |

At the close of the market on Monday, the price of a certain volatile stock was exactly \$100.00 per share. By close of the day on Tuesday, the stock was 20% up from its start that day. By the close of the day on Wednesday, the stock was 10% up from its start that day. By the close of the day on Thursday, the stock was 30% down from its start that day. What was the price per share by the end of the day on Thursday?

☐ \$91.00



☒ \$92.40

☐ \$100.00

☐ \$101.07

☐ \$109.89

[Back to Results](#)

Question 59 of 66

[Previous](#)

[Next](#)

Title

At the close of the market

Your Result

Correct

Difficulty

Easy

Your Pace

2:11

Others' Pace

1:37

In 2004, Cindy had \$4000 in a mutual fund account. In 2005, the amount in the same account was \$5000. If the percent increase from 2004 to 2005 was the same as the percent increase from 2005 to 2006, how much did Cindy have in this account in 2006?

☐ \$5800

☐ \$6000

☒ \$6250

☐ \$7500

☐ \$9000

[Back to Results](#)

Question 60 of 66

[Previous](#)

[Next](#)

Title

In 2004, Cindy had mutual fund

Your Result

Correct

Difficulty

Easy

Your Pace

1:35

Others' Pace

1:12

At a certain farm the ratio of pigs to cows to chickens is 7:8:10. If the total number of pigs, cows and chickens is 300, how many chickens are there?

☐ 30

☐ 90

☒ 120

☐ 180

☐ 200

[Back to Results](#)

Question 61 of 66

[Previous](#)

[Next](#)

| Title | Your Result | Difficulty | Your Pace | Others' Pace |
|--------------|-------------|------------|-----------|--------------|
| Farm Animals | Correct | Easy | 0:54 | 1:00 |

In Aldebaran Corporation, 35% of the managers have an MBA.
If there are 42 managers with MBA, what is the total number of managers?

☐ 15

☐ 57

☐ 84

☒ 120

☐ 147

[Back to Results](#)

Question 62 of 66

[Previous](#)

[Next](#)

| Title | Your Result | Difficulty | Your Pace | Others' Pace |
|--------------------------|-------------|------------|-----------|--------------|
| In Aldebaran Corporation | Correct | Easy | 1:14 | 0:50 |

At a certain store, one can buy 6 cans of juice for \$8. How many cans of this same juice could one buy with \$48?

☐ 14

☒ 36

☐ 48

☐ 64

☐ 96

[Back to Results](#)

Question 63 of 66

[Previous](#)

[Next](#)

| Title | Your Result | Difficulty | Your Pace | Others' Pace |
|--------------------|-------------|------------|-----------|--------------|
| At a certain store | Correct | Easy | 0:34 | 0:36 |

If it takes Bill 8 minutes to peel 30 potatoes, how many potatoes can he peel in one hour?

☐ 16

☐ 120

☐ 144

☒ 225

☐ 240

[Back to Results](#)

Question 64 of 66

[Previous](#)

[Next](#)

| Title | Your Result | Difficulty | Your Pace | Others' Pace |
|------------------|-------------|------------|-----------|--------------|
| Peeling Potatoes | Correct | Easy | 0:58 | 0:48 |

The price of a pair of sneakers was \$80 for the last six months of last year. On January first, the price increased 20%. After the price increase, an employee bought these sneakers with a 10% employee discount. What price did the employee pay?

☐ \$70.40

☐ \$82.00

☐ \$83.33



☒ \$86.40

☐ \$88.00

[Back to Results](#)

Question 65 of 66

[Previous](#)

[Next](#)

| Title | Your Result | Difficulty | Your Pace | Others' Pace |
|-----------------------|-------------|------------|-----------|--------------|
| The price of sneakers | Correct | Easy | 1:27 | 1:03 |

Sarah invested \$38,700 in an account that paid 6.2% annual interest, compounding monthly. She left the money in this account, collecting interest for three full years. Approximately how much interest did she earn in the last month of this period?



☒ \$239.47

☐ \$714.73

☐ \$2793.80

☐ \$7,888.83

☐ \$15,529.61

[Back to Results](#)

Question 66 of 66

[Previous](#)

[Next](#)

| Title | Your Result | Difficulty | Your Pace | Others' Pace |
|-------------------------|-------------|------------|-----------|--------------|
| Sarah invested \$38,700 | Correct | Very Hard | 0:11 | 2:16 |

A, B, and C are consecutive odd integers such that $A < B < C$.

If $A + B + C = 81$, then $A + C =$

☐ 52

☒ 54

☐ 56

☐ 58

☐ 60

[Back to Results](#)

Question 1 of 47

[Previous](#)

[Next](#)

| Title | Your Result | Difficulty | Your Pace | Others' Pace |
|--------------------------|-------------|------------|-----------|--------------|
| Consecutive Odd Integers | Correct | Easy | 1:57 | 1:44 |

The Greatest Common Factor (GCF) of 48 and 72 is

☐ 4

☐ 6

☐ 12

☒ 24

☐ 48

[Back to Results](#)

Question 2 of 47

[Previous](#)

[Next](#)

Title

The Greatest Common
Factor of 48 and 72

Your Result

Correct

Difficulty

Easy

Your Pace

0:39

Others' Pace

0:59

If k is an integer and $k = \frac{462}{n}$, then which of the following could be the value of n ?

☐ 4

☐ 5

☐ 9

☐ 13

☒ 22

[Back to Results](#)

Question 3 of 47

[Previous](#)

[Next](#)

Title
k is an integer

Your Result
Correct

Difficulty
Easy

Your Pace
1:23

Others' Pace
1:09