

# Ratio and Proportion Overview

1. Find the unit rate of 256 miles per 8 gallons

1 point

- A 31 miles per gallon
- B 32 miles per gallon
- C 33 miles per gallon
- D 34 miles per gallon

2. Find the unit rate of 297 words in 5.5 minutes

1 point

- A 46 words per min
- B 50 words per min
- C 44 words per min
- D 54 words per min

3. Find the unit rate of 21.75 meters in 2.5 hours

1 point

- A 8.7 meter per hour
- B 8.6 meter per hour
- C 8.5 meter per hour
- D 8.4 meter per hour



4. Which answer is proportional to 7 inches in 9 hours

1 point

- A 21 inches in 18 hours
- B 49 inches in 72 hours
- C 42 inches in 54 hours
- D 63 inches in 63 hours

5. Which answer is proportional to 99 wins in 123 games

1 point

- A 297 wins in 366 games
- B 66 wins in 82 games
- C 33 wins in 39 games
- D 132 wins in 156 games

6. Which answer is proportional to 68 hits in 172 at bat

1 point

- A 43 hits in 123 at bats
- B 85 hits in 200 at bats
- C 17 hits in 43 at bats
- D 102 hits in 960 at bats



7. You can buy 3 T-Shirts for \$24. Solve the proportion that gives the cost  $c$  of buying 7 T-Shirts 1 point

- A \$72
- B \$56
- C \$64
- D \$49

8. A school requires 2 computers for every 5 students. Solve a proportion that gives the number  $c$  of computers needed for 145 students. 1 point

- A 58
- B 52
- C 56
- D 54

9. Given the following proportion:  $15/8 = 45/x$ . What is the value of  $x$ . 1 point

- A 24
- B 14
- C 25
- D 15



10. Given the following proportion:  $9/10 = d/6.4$ . What is the value of d. 1 point

- A 5.57
- B 5.75
- C 5.67
- D 5.76

11. Given the following proportion:  $2.4/1.8 = 7.2/k$ . What is the value of k. 1 point

- A 5.3
- B 5.1
- C 5.4
- D 5.2

12. Given the following proportion:  $2x/5 = 9/15$ . What is the value of x 1 point

- A 1
- B 1.5
- C 2
- D 2.5



13. Given the following proportion:  $\frac{5}{2} = \frac{4x}{8.5}$ . What is the value of x 1 point

- A 5.5312
- B 5.1523
- C 5.2531
- D 5.3125

14. Given the following proportion:  $\frac{20}{16} = \frac{d}{12}$ . What is the value of d 1 point

- A 15
- B 13
- C 16
- D 14

15. Given the following proportion:  $\frac{y}{9} = \frac{44}{54}$ . What is the value of y 1 point

- A 8.3
- B 6.3
- C 7.3
- D 5.3



16. You can find the word of the day by going back and finding the answer choice to question #3. Use that letter a, b, c, or d, to answer this question. (This is your bonus point question) 1 point

- A Defeat
- B Attach
- C Battle
- D Fight

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