

Name \_\_\_\_\_

**MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.**

- 1) When the drive gear and driven gear are rotating at the same speed, the gear ratio is \_\_\_\_\_. 1) \_\_\_\_\_
  - A) 1:1
  - B) 2:1
  - C) 0:0
  - D) none of these
  
- 2) 95% of 3250 is \_\_\_\_\_. 2) \_\_\_\_\_
  - A) 3087.5
  - B) 34.21
  - C) 3421.0
  - D) none of these
  
- 3) How is 0.183 pronounced? 3) \_\_\_\_\_
  - A) One hundred eighty three thousandth
  - B) One thousand eighty three
  - C) Zero dot one hundred and eighty three hundredths
  - D) One tenth and 83 hundredths
  
- 4) Ten of 30 vehicles checked during a safety inspection had at least one tire that was under inflated. This represents what percentage of the vehicles? 4) \_\_\_\_\_
  - A) 25%
  - B) 33%
  - C) 43%
  - D) 67%
  
- 5) What number is being represented by the scientific notation  $6.28 \times 10^3$ ? 5) \_\_\_\_\_
  - A) 6.28
  - B) 628
  - C) 6,280
  - D) 62,800
  
- 6) One thousandth is expressed as how many places to the right of the decimal? 6) \_\_\_\_\_
  - A) Three
  - B) Two
  - C) Four
  - D) None of these
  
- 7) Which of these uses letters to represent numbers and indicates how these numbers should be added, subtracted, multiplied, or divided? 7) \_\_\_\_\_
  - A) A formula
  - B) A diagram
  - C) A ratio
  - D) None of these

8) To calculate fuel economy in MPG, what must be known? 8) \_\_\_\_\_  
A) How much fuel was used  
B) How far the vehicle travelled  
C) Both A and B are correct  
D) Neither A nor B is correct

9) 23 out of 25 is what percentage? 9) \_\_\_\_\_  
A) 92  
B) 1.08  
C) 0.92  
D) None of these

10) Very large and very small numbers are frequently represented using \_\_\_\_\_. 10) \_\_\_\_\_  
A) scientific notation  
B) mathematical formulas  
C) diagrams  
D) ratios

## Answer Key

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1) A

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2) A

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3) A

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4) B

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5) C

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6) A

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7) A

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8) C

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9) A

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10) A

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