

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 6.28×10^3 ? 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