

Decimal Numbers (Conversions and Rounding)

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

Write fraction notation for the given decimal notation. Do not simplify.

1) 0.1 1) _____
A) $\frac{0.01}{10}$ B) $\frac{1}{10}$ C) $\frac{0.1}{10}$ D) $\frac{1}{100}$

2) 0.00147 2) _____
A) $\frac{147}{10,000}$ B) $\frac{147}{100,000}$ C) $\frac{147}{1000}$ D) $\frac{147}{100}$

Write the decimal as a fraction or mixed number in lowest terms.

3) 0.46 3) _____
A) $\frac{1}{46}$ B) $\frac{1}{2116}$ C) $\frac{23}{500}$ D) $\frac{23}{50}$

4) 0.5 4) _____
A) $\frac{5}{10}$ B) $\frac{1}{10}$ C) $\frac{5}{100}$ D) $\frac{1}{2}$

5) 1.01 5) _____
A) $\frac{1}{100}$ B) $1\frac{1}{100}$ C) $\frac{1}{1000}$ D) 1

Round to the indicated place value.

6) Round to the nearest tenth: 1.38 6) _____
A) 1 B) 1.5 C) 1.4 D) 1.3

7) Round to the nearest tenth: 137.89 7) _____
A) 137.9 B) 137.8 C) 137 D) 137.89

8) Round to the nearest hundredth: 1.641 8) _____
A) 1.63 B) 1.64 C) 1.65 D) 1.6

9) Round to the nearest hundredth: 0.996 9) _____
A) 0.99 B) 1.10 C) 1.09 D) 1.00

Round the number to the place indicated.

10) Round to the nearest thousandth: 83.2537 10) _____
A) 83.25 B) 83.254 C) 83.253 D) 83.255

11) Round to the nearest thousandth: 1.5144 11) _____
A) 1.50 B) 1.51 C) 1.514 D) 1.515

Answer Key

Testname: DECIMAL NUMBERS (CONVERSIONS AND ROUNDING)

- 1) B
- 2) B
- 3) D
- 4) D
- 5) B
- 6) C
- 7) A
- 8) B
- 9) D
- 10) B
- 11) C