Name: _____

Date: _____ Score: _____

Scientific Notation and Significant Figures

Convert each of the following into scientific notation.

1) 200.0×10^2 = _____

2) 0.000059 = _____

3) 30.4×10^5 = _____

4) 0.0000455 = _____

5) 207.2 = _____

6) $123{,}453$ = _____

7) 0.00446 = _____

8) 6700 = _____

Determine the number of significant figures in each of the following.

9) 3205.2 = _____

10) 0.602 = _____

11) $750{,}602$ = _____

12) 4100.0×10^2 = _____

13) 0.00070800 = _____

14) 920.00 = _____

15) 172 = _____

16) 0.0114×10^4 = _____

Name: _____

Date: _____ Score: _____

Scientific Notation and Significant Figures

Answers

1) 200.0×10^{2} = 2.000×10^{4}

2) 0.000059 = 59×10^{-5}

3) 30.4×10^{5} = 3.04×10^{6}

4) 0.0000455 = 4.55×10^{-5}

5) 207.2 = 2.072×10^{2}

6) $123{,}453$ = 1.23453×10^{5}

7) 0.00446 = 4.46×10^{-3}

8) 6700 = 6.700×10^{3}

9) 3205.2 = 5

10) 0.602 = 3

11) $750{,}602$ = 6

12) 4100.0×10^{2} = 5

13) 0.00070800 = 5

14) 920.00 = 5

15) 172 = 3

16) 0.0114×10^{4} = 3