

Name _____
Physics _____
Period _____



Date _____
Measure & Math WS #4H
Mrs. Nadworny

Significant Figures

Directions: Read online textbook pages 17 – 19 and solve the following problems using correct significant figures and scientific notation. This worksheet is not testing you on your addition/subtraction or multiplication/division skills but rather how well you know sig fig rules.

1) $17.0 \text{ cm} + 3 \text{ cm} =$

8) $17.0 \text{ cm} \times 3 \text{ cm} =$

2) $17.00 \text{ cm} + 3.0 \text{ cm} =$

9) $17.00 \text{ cm} \times 3.0 \text{ cm} =$

3) $40 \text{ cm} + 3 \text{ cm} =$

10) $40 \text{ N} \times 3.0 \text{ m} =$

4) $1.7 \times 10^4 \text{ cm} + 3.00 \times 10^6 \text{ cm} =$

11) $1.7 \times 10^7 \text{ cm} \times 3.00 \times 10^9 \text{ cm} =$

5) $0.17 \text{ m} - 3.00 \text{ cm} =$

12) $17 \text{ m} \div 3.0 \text{ s} =$

6) $1700 \text{ cm} - 3.0 \text{ cm} =$

13) $17 \text{ m} \div 3 \text{ s} =$

7) $1.7 \times 10^2 \text{ cm} - 3.00 \times 10^1 \text{ cm} =$

14) $1.700 \times 10^7 \text{ cm} \div 3.00 \times 10^2 \text{ cm} =$

Answers in size order: 0.14, 5.7, 6, 20., 20.0, 40, 50, 51, 100, 1.4×10^2 , 1700, 5.67×10^4 , 3.02×10^6 , 5.1×10^{16}