

Name _____
Physics _____
Period _____



Date _____
Measure & Math WS #3H
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) $23.0 \text{ cm} + 7 \text{ cm} =$

8) $23.0 \text{ cm} \times 7 \text{ cm} =$

2) $23.00 \text{ cm} + 7.0 \text{ cm} =$

9) $23.00 \text{ cm} \times 7.0 \text{ cm} =$

3) $50 \text{ cm} + 7 \text{ cm} =$

10) $50 \text{ cm} \times 7.0 \text{ cm} =$

4) $2.3 \times 10^4 \text{ cm} + 7.00 \times 10^6 \text{ cm} =$

11) $2.3 \times 10^7 \text{ cm} \times 7.00 \times 10^9 \text{ cm} =$

5) $0.23 \text{ m} - 7.00 \text{ cm} =$

12) $23 \text{ m} \div 7.0 \text{ s} =$

6) $2300 \text{ cm} - 7.0 \text{ cm} =$

13) $23 \text{ cm} \div 7 \text{ cm} =$

7) $2.3 \times 10^2 \text{ cm} - 7.00 \times 10^1 \text{ cm} =$

14) $2.300 \times 10^7 \text{ cm} \div 7.00 \times 10^2 \text{ cm} =$

Answers in size order: 0.16, 3, 3.3, 30., 30.0, 60, 160, 1.6×10^2 , 200, 400, 2300, 3.29×10^4 , 7.02×10^6 , 1.6×10^{17}