

Name: _____ Due Date: Jan 15, 2018

Significant figures:

Refer to the video: Significant Figures – Addition and Subtraction Rules – Example 1

1. $180 \text{ cm} + 6.143 \text{ cm} + 1.5067 \text{ cm} = ?$ Answer: _____
Answer has how many significant figures: _____

Refer to the video: Significant Figures – Addition and Subtraction Rules – Example 2

2. $130.98 \text{ mL} - 40 \text{ mL} = ?$ Answer: _____
Answer has how many significant figures: _____

Refer to the video: Significant Figures – Addition and Subtraction Rules – Example 3

3. $2564 \text{ km} + 200. \text{ km} = ?$ Answer: _____
Answer has how many significant figures: _____

Refer to the video: Significant Figures – Addition and Subtraction Rules – Example 4

4. $5.925 \times 10^{-5} \text{ m} + 9.85 \times 10^{-7} \text{ m} = ?$ Answer: _____
Answer in scientific notation: _____
Answer has how many significant figures: _____

Refer to the video: Significant Figures – Multiplication and Division Rules – Example 1

5. $30 \text{ cm} \times 0.00200 \text{ cm} \times 554.0 \text{ cm} = ?$ Answer: _____
Answer in scientific notation: _____
Answer has how many significant figures: _____

Refer to the video: Significant Figures – Multiplication and Division Rules – Example 2

6. $0.0325 \text{ g} / (0.9990 \text{ g/mL}) = ?$ Answer: _____
Answer has how many significant figures: _____

Refer to the video: Significant Figures – Multi-Step Calculations – Example 1

7. $5.627 \text{ cm} + \frac{(5.54 - 0.001)}{0.120} \text{ cm} = ?$ Answer: _____
Answer has how many significant figures: _____

Refer to the video: Significant Figures – Multi-Step Calculations – Example 2

8. $\frac{(31.9995 - 31.8790)}{31.8790} \times 100 = ?$ Answer: _____ %
Answer has how many significant figures: _____