

Name \_\_\_\_\_

Round your uncertainty to two digits, and the answer to that place. (?)

**1. Adding or subtracting**

$$\begin{array}{r} 23.5 \pm 0.4 \\ + 42.6 \pm 0.7 \\ \hline \end{array}$$

$$\begin{array}{r} 127 \pm 5 \\ - 98 \pm 2 \\ \hline \end{array}$$

**2. Multiplying and/or dividing:****With % uncertainty**

$$\begin{array}{r} 9 \pm 5\% \\ \times 7 \pm 3\% \\ \hline \end{array}$$

$$\begin{array}{r} 12 \pm 3\% \\ \times 4 \pm 11\% \\ \hline \end{array}$$

$$\begin{array}{r} 119 \pm 12\% \\ \div 17 \pm 4\% \\ \hline \end{array}$$

$$\begin{array}{r} 209 \pm 7\% \\ \div 19 \pm 5\% \\ \hline \end{array}$$

**With absolute uncertainty:**

$$\begin{array}{r} 7.8 \pm 0.5 \\ \times 8.4 \pm 0.3 \\ \hline \end{array}$$

$$\begin{array}{r} 7.35 \pm 0.09 \\ \times 2.23 \pm 0.03 \\ \hline \end{array}$$

$$\begin{array}{r} 312 \pm 2 \\ \div 11 \pm 1 \\ \hline \end{array}$$

$$\begin{array}{r} 22.6 \pm 0.9 \\ \div 1.78 \pm 0.05 \\ \hline \end{array}$$

**3. Powers**

$$(15.0 \pm 2.5)^2$$

$$(2.75 \pm 0.12)^4$$

$$\sqrt{17.0 \pm 2.1}$$

$$\sqrt[4]{1250 \pm 113}$$