

Rounding to Significant Figures and Estimation

Year 7 · Number · y7-num-rounding

Name: _____

Date: _____

Class: _____

Score: ____ / ____

Instructions

Answer every question in Practice. Try the Challenge section once Practice is complete. 10 questions in total.

Practice

1. Round 3847 to 2 significant figures.

2. Round 0.0562 to 2 significant figures.

3. Round 5.947 to 1 decimal place.

4. Round 62,300 to 1 significant figure.

5. Estimate 396×5.1 by rounding each number to 1 significant figure first.

6. A recipe needs 2.87 kg of flour, rounded to 3 significant figures on the packet. Which value is shown?

7. Round 0.00734 to 2 significant figures. The leading zeros do not count as significant figures.

8. Significant figures count from the first non-zero digit; decimal places count digits after the point. Round 148.6 to 2 significant figures.

Challenge

1. Round 0.019953 to 3 significant figures.

2. Estimate 6089×0.48 by rounding each number to 1 significant figure, then compare to the exact value 2922.72. Give the estimate.
