

Standard Form and Error Intervals

Year 8 · Number · y8-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. Write 4500 in standard form.

2. Write 0.0032 in standard form.

3. Write 6.7×10^4 as an ordinary number.

4. Write 2.05×10^{-2} as an ordinary number.

5. The population of a city is about 850,000. Write this in standard form.

6. Round 638.472 to 3 significant figures.

7. Numbers less than 1 use a negative power in standard form. Write 0.00091 in standard form.

8. Which is correctly written in standard form: 45×10^3 or 4.5×10^4 ? Type the correct answer only.

Challenge

1. Work out $(3 \times 10^4) \times (2 \times 10^3)$, giving the answer in standard form.

2. A field is measured as 40 m to the nearest 10 m. Give the range of possible actual lengths as: lower, upper.
