

Scientific Notation

P 2-11

Give each missing power of ten.

1. $167,230,000 = 1.6723 \times \underline{\hspace{2cm}}$

2. $0.000872 = 8.72 \times \underline{\hspace{2cm}}$

Write each number in scientific notation.

3. 657

4. 978,636,545,232

5. 0.00498

6. 0.000123

7. **Number Sense** Give two examples of situations that might be expressed using scientific notation.

For 8–10, write each number in standard form.

8. pressure generated by an ant's jaw

	Pressure (lb per in ²)
Generated by ant jaw	5.12×10^{-3}
Generated by human jaw	8.53×10^{-3}
Sustained by bone	2.40×10^4

9. pressure generated by a human's jaw

10. pressure sustainable by bone _____

Test Prep

11. Which is the product of 6.66×10^{-4} ?

A. 0.000666

B. 6.66

C. 6,660

D. 66,600

12. **Writing in Math** Which is greater, 0.003 or 3.2×10^{-3} ? Explain why.

