Practice worksheet | Indices and scientific notation

Comparing/calculating very large and small quantities

Name: _____ Date: _____

6 questions | 13 marks

1. Order from smallest to largest: 3.2×10^5, 7.4×10^4, 2.9×10^5. [2 marks]

2. Calculate $(4 \times 10^3)(2 \times 10^5)$. [2 marks]

3. Calculate $\frac{9 \times 10^7}{3 \times 10^2}$. [2 marks]

4. Calculate $2.4 \times 10^6 + 5 \times 10^5$. [2 marks]

5. Calculate $(8 \times 10^{-3})(5 \times 10^{-4})$. [2 marks]

6. A file of 6×10^8 bytes is sent at 2×10^6 bytes per second. Find the time, assuming a constant rate. [3 marks]