Practice worksheet | Indices and scientific notation

Measurement and time-scale applications

Name: _____ Date: _____

6 questions | 15 marks

1. Write 3.5 km in metres using scientific notation. [2 marks]

2. Write 0.0042 m in millimetres. [2 marks]

3. A particle is 2.5×10^{-6} m wide. Express its width in micrometres. [2 marks]

4. A beam travels 1.8×10^{6} m in 6×10^{-3} s. Find its constant speed. [3 marks]

5. A model is 15 cm long and represents a real object 30 m long. Find the scale factor from real object to model. [3 marks]

6. A sensor records 2×10^{4} readings each second. How many readings does it record in 5 minutes? [3 marks]