

Worksheet: Units and Measurements

Gujarat State Board · Class 11 · Physics · 5 questions · 11 marks

Name: _____

Date: _____

Score: _____ / 11

Q1. How many significant figures are in 0.005060? [1 mark]

Q2. Find the dimensions of the universal gravitational constant G from $F = G \frac{m_1 m_2}{r^2}$. [2 marks]

Q3. Five time readings are 2.02, 2.04, 1.98, 2.00, 2.01 s. Find the mean absolute error. [3 marks]

Q4. Check whether $v^2 = u^2 + 2as$ is dimensionally correct. [2 marks]

Q5. The period of a pendulum T depends on length L and g . Derive the relation using dimensional analysis. [3 marks]
