

Worksheet: Units and Measurements

CBSE · 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]*
