The Panda Math Tutor

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Measurements

Student Worksheet

Questions & Working Space

IGCSE Mathematics

Name: _____

Date: _____

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Note

How to use this worksheet. These questions are built *strictly* on the *Measurements* notes: metric units and conversions for length, mass, capacity and time, the squared and cubed rules for area and volume units, speed–distance–time, the compound measures density and pressure, and accuracy, bounds and error intervals.
Working space. Ruled lines are provided after each question — show *all* of your working there. **Always write the formula before substituting**, always convert to consistent units *first*, and **always include units in your final answer**. Harder questions have a teal **Hint** box; try the question first and use the hint only if you are stuck.
Checking your answers. Full step-by-step solutions, a marking scheme for the exam paper, and a quick answer key are in the separate booklet *"Measurements — Solutions & Answer Key."* Try each question honestly before you look.

1 Part I — Topic-by-Topic Exercises

1.1 Units and Conversions

Exercise U1 *[Basic]*

Convert:

(a) 3.7 km to metres

(b) 480 cm to metres

(c) 6250 ml to litres

Exercise U2 *[Basic]*

Convert:

(a) 2.4 tonnes to kilograms

(b) 7500 g to kilograms

(c) 0.85 g to milligrams

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Exercise U3 *[Standard]*

Convert:

(a) 3.6 litres to cm^3

(b) $45\,000\,\text{cm}^3$ to m^3

(c) $2.5\,\text{m}^3$ to litres

Exercise U4 *[Standard]*

A film lasts 4 hours and 24 minutes. Write this time in

(a) minutes

(b) hours, as a decimal

(c) seconds

Exercise U5 *[Intermediate]*

A copper pipe is 2.4 m long. It is cut into shorter pieces, each 15 cm long, with no waste. How many pieces are obtained?

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Preview ends here

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Measurements — Worksheet — €11.99

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