

Subject: Mathematics

Class: 7

Topic: Measurement (Converting Units)

Levels: Basic, Intermediate, Advanced

Level: Basic

1. Convert 5 km into meters (m). [Hint: 1 km = 1000 m] ?
2. A ribbon is 450 cm long. Express its length in meters (m).
3. How many grams (g) are there in 8.5 kg of Basmati rice? ?
4. Convert 3 liters of Amul milk into milliliters (ml).
5. Anil bought 2000 mg of medicine. Convert this weight to grams (g).
6. Express 7 meters in centimeters (cm). ?
7. Convert ₹15 into paise. [Hint: ₹1 = 100 paise]
8. A water bottle holds 750 ml. How many liters (L) is this?
9. Convert 120 minutes into hours. ?
10. If a pencil is 150 mm long, what is its length in cm? [10 mm = 1 cm]

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Level: Intermediate

1. Convert 4 kg 500 g into total grams (g). ?
2. A playground boundary is 1.25 km. Convert this distance into centimeters (cm).
3. Convert 4500 ml into liters and milliliters (L and ml).
4. Express 850 paise in Rupees (?) using decimals. ?
5. Add 2.5 kg and 750 g. Give the final answer in kilograms (kg).
6. A tank has 5.8 Liters of water. How many 200 ml glasses can it fill? ?
7. Convert 3.5 days into hours. ?
8. Calculate the area of a square with side 10 cm in mm^2 . [Use symbol 2]
9. Convert 0.75 km into meters (m). ?
10. If a train travels 60 meters in 1 second, how many km does it cover in 1 hour?

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Level: Advanced

1. Rahul bought 5.25 kg of mangoes at ₹80 per kg. How many grams did he get per Rupee?
2. A car travels at 72 km/hr. Convert this speed into meters per second (m/s).
3. Convert 5 m² into cm². [Hint: 1 m² = 10,000 cm²]
4. The volume of a box is 2000 cm³. Convert this volume into Liters. [1000 cm³ = 1 L]
5. A gold ring weighs 0.008 kg. Convert this weight into milligrams (mg).
6. The temperature rose by 15°C. (Note: Ensure your font supports ° or use 'degrees').
7. If the value of π is taken as $\frac{22}{7}$, find the circumference of a circle with radius 70 cm in meters (m).
8. Convert 1.5 metric tonnes into kilograms (kg). [1 tonne = 1000 kg]
9. A wire of length 0.05 km is cut into 10 equal pieces. Find the length of each piece in cm.
10. Challenge: Convert a speed of 15 m/s into kilometers per hour (km/hr).