

Converting Metric Units of Mass

Name: _____

Date: _____



Quick Reference:

• 1 kg = 1,000 g

• 1 kg = 1,000,000 mg

• 1 g = 1,000 mg

Part A: Basic Conversions

- 3.5 kg = _____ g
- 2,400 g = _____ kg
- 6,000 mg = _____ g
- 0.75 g = _____ mg
- 4.2 kg = _____ g
- 850 g = _____ kg

Part B: Multi-Step Conversions

- 2.5 kg = _____ mg
- 3,500,000 mg = _____ kg
- 0.008 kg = _____ mg
- 45,000 mg = _____ kg

Part C: Word Problems

- A recipe requires 250 g of flour and 1.2 kg of sugar. What is the total mass in grams?
Answer: _____
- A bottle contains 2.5 litres of medicine. Each dose is 5,000 mg. If the medicine has a density of 1 g/mL, how many doses are in the bottle?
Answer: _____
- Sarah bought 3 bags of rice, each weighing 2.5 kg. What is the total mass in grams?
Answer: _____
- A jeweller has 45,000 mg of gold. She uses 12.5 g for a bracelet. How many grams of gold remain?
Answer: _____
- A truck is carrying 4,500 kg of supplies. If each box weighs 15,000 g, how many boxes are there?

Answer: _____