

Tuesday 25 August 2026

1. Fill in the blanks with the correct word or value.

- (a) The standard units for measuring mass are _____ and _____.
- (b) 1 kg = _____ g.
- (c) We use a _____ to measure mass.
- (d) A pencil is best measured in _____ (g or kg).

2. Write **TRUE** or **FALSE** for each statement.

- (a) Mass and weight are exactly the same thing. _____
- (b) 2 kg is heavier than 1 500 g. _____
- (c) To change kg to g, you multiply by 1 000. _____
- (d) A full 25 kg bag of rice has a mass of 25 kg. _____

3. Explain in your own words why we use **mass** (kg and g) and not **weight** when buying and selling goods at the market.

4. Rudo says, "I weigh 30 kg."

(a) Is Rudo using the correct scientific word?

Answer: _____ (Yes/No)

(b) What word should she use instead?

Answer: _____

(c) What unit would be used to measure her actual weight?

Answer: _____

5. Convert the following masses:

- (a) 8 kg = _____ g
- (b) 3 000 g = _____ kg
- (c) 5.5 kg = _____ g
- (d) 750 g = _____ kg

6. A market vendor in Mbare has four bags of potatoes. Their masses are:

15 kg, 12 kg, 18 kg, 10 kg

(a) Arrange the bags from lightest to heaviest.

Answer: _____ kg, _____ kg, _____ kg, _____ kg

(b) Use < or > to compare:

15 kg _____ 12 kg

10 kg _____ 18 kg

7. Approximate the following masses to the nearest **10 kg**.

(a) 23 kg $\approx$ _____ kg

(b) 48 kg $\approx$ _____ kg

(c) 74 kg $\approx$ _____ kg

(d) 96 kg $\approx$ _____ kg

8. Mai Tino has a bag of mealie-meal with a mass of **5 kg**. She wants to pack it into smaller packets of **500 g** each.

(a) What is the mass of the mealie-meal in grammes?

Answer: _____ g

(b) How many 500 g packets can she make?

Answer: _____ packets

(c) Show your working below.

9. Two learners compare masses:

- Learner A says: "A 2 kg bag of sugar is heavier than a 1 800 g bag of rice."
- Learner B says: "A 2 kg bag of sugar is lighter than a 1 800 g bag of rice."

(a) Convert 2 kg to grammes.

Answer: _____ g

(b) Who is correct?

Answer: Learner _____

(c) Justify your answer.
