

WorksheetCloud Memo

Grade 4

Maths

Measurement: Mass

1. Do the following conversions:

- | | |
|--------------------|--------------|
| a. 4 000g - | 4kg |
| b. 4 000kg - | 4 000 000g |
| c. 34g - | 34 000mg |
| d. 420 000mg - | 420g |
| e. 3 000 000mg - | 3kg |
| f. 120 000 000mg - | 120 000g |
| g. 50kg - | 50 000g |
| h. 50 000g - | 50kg |
| i. 10kg - | 10 000 000mg |
| j. 3 000g - | 3 000 000mg |

2. Answer the following questions

- a. Mr T runs trails on Table Mountain. His shoes are 350g, his clothes are 550g, his first aid kit is 175g, his running backpack is 645g. If he carries 2kg of water (how much 2 litres weighs), what is the mass of everything together?

Before adding the amounts, we must make them the same units. Only 1 is in kg, so we will convert it to g (like the rest). 2kg – 2 000g

$$\begin{array}{r} 350 \\ 550 \\ 175 \\ 645 \\ +2\,000 \\ \hline 3720 \end{array}$$

The total mass is 3720g

- b. Mr Travis has three dogs. Dash is 19kg; Pirate is 18kg; and Emmy (the puppy) is 10 000g. What is their combined mass?

Before adding, we must make them the same units. The one in g can convert to kg like the rest. 10 000g – 10kg

$$19 + 18 + 10 = 47\text{kg}$$

Their combined mass is 47kg

