



CTSC
MATHS THINKER
Grade 6 - Measurement

This week we will be taking a look at MEASUREMENT for Grade 6 learners. Scroll through the images for the questions and images linked to the questions.

QUESTION 1 (See Image)

- 1.1 How many cans are needed to fill the saucepan?
- 1.2 Busi used a full jug of water to fill the saucepan. How much water was left in the jug?
- 1.3 Tebogo used 15 cans to fill up the jug. Will it be enough? If not how many more cans are needed to fill the jug?
- 1.4 What is the capacity if we added all the quantities together?

QUESTION 2 - Complete the crossword puzzle (See Image)

DOWN

1. Capacity is measured in ____?
2. We use hours and minutes to measure ____.
3. 12 months are the same as 1 ____.
4. The pocket of potatoes weighed 10 ____.
5. The 100 m sprint race took 15 ____ to run.
6. 12 midday is called ____.

ACROSS

1. Water ____ at 100°C.
2. 1000 kg = to 1 ____.
3. The capacity of the water tank was at 0 litres that means it was ____.
4. Jane cut the string 700 cm, it is the same as 7 ____.
5. When we use a scale we measure the ____ of an object.
6. The size of your pencil can be measured in ____.

QUESTION 3

Convert the given measurements of mass to new units

- 3.1 5 kg = ____ g
- 3.2 70 mg = ____ g
- 3.3 3000 kg = ____ ton
- 3.4 6000 g = ____ kg

QUESTION 4

Solve the length word problems

- 4.1 There are two trees in the park. The tallest tree is 10 meters. The shorter tree is 1.5 meters shorter than half the height of the taller tree. What is the height of the shorter tree?
- 4.2 The distance that Siyanda must travel to and from work is 35 km each way. How many kilometres does she travel in total during a working week?
- 4.3 Each parking spot is 200 cm wide. A parking lot has 24 parking spots side by side. What is the width, measured in meters, of the parking lot?

MEMORANDUM

Question 1

1.1 35 cans

1.2 $\frac{1}{2}$ litre or 500 ml

1.3 25 cans

1.4 7.6 litres or 7600 ml

Question 2

		¹ b	o	i	¹ l	s									
					i										
					² t	o	n								
					r										
					³ e	m	p	t	³ y				⁴ k		
⁴ m	e	² t	e	r	s				e				i		
		i							a				l		
		⁵ m	a	s	⁵ s				r				o		
		e			e								g		
					⁶ c	e	⁶ n	t	i	m	e	t	r	e	s
					o		o						a		
					n		o						m		
					d		n						s		
					s										

Question 3

3.1 5000 g

3.2 7 g

3.3 3 ton

3.4 6 kg

Question 4

4.1 $(10 \div 2) - 1.5$ m

$$= 5 \text{ m} - 1.5 \text{ m}$$

= 500 cm – 150 cm = 350 cm OR 3.5 m is the height of the shorter tree.

4.2 $(35 \times 2) \times 5$

$$= 70 \times 5$$

= 350 km Siyanda will travel in total during a working week.

4.3 200×24

$$= 4800 \text{ cm}$$

$$= 4.8 \text{ m}$$