MeerkatSkool

PRACTICE TEST

Practice test · Term 1–4
Version 1.8 · 22 October 2026

Mathematics · Grade 6

Measurement

Term 1–4 | 10 questions | CAPS-aligned

TOTAL 62 MARKS

NAME AND SURNAME _____ CLASS _____ DATE _____

Instructions

1. Read all the questions carefully before you begin writing.
2. Answer all the questions on the question paper itself.
3. Show all your working where the question asks for it.
4. Write neatly. Work that cannot be read cannot be marked.
5. You may use a pencil and a ruler for drawings.
6. Calculators are not allowed.

Question	Content of the question	Marks	Obtained
1	Multiple choice	5	
2	Matching	4	
3	Temperature	6	
4	Mass and time	7	
5	Length and mass	8	
6	Capacity and volume	8	
7	Measurement	4	
8	Perimeter and area	8	
9	Perimeter, area and volume	9	
10	Ordering measurements	3	
	Total	**62**	
	Percentage		%

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1 Multiple choice

5 marks

Choose the correct answer and circle its letter.

PRACTICE EXAMPLE · DO THIS ONE TOGETHER FIRST

How many minutes are in one hour?

a 30 b 60 c 100

One hour has 60 minutes, so the answer is b. Circle the b.

This example does not count for marks. It only shows you how to answer.

1.1 The correct digital time for "quarter to nine in the evening" is: **(1)**

(a) 08:45 (b) 21:45 (c) 20:45

1.2 How many millimetres are there in 3,6 metres? **(1)**

(a) 360 mm (b) 3 600 mm (c) 36 000 mm

1.3 The volume of a box is 60 cm^3. The base is 5 cm by 4 cm. How high is the box? **(1)**

(a) 3 cm (b) 2 cm (c) 12 cm

1.4 Long ago people in many countries measured length in feet and inches, and these were not the same everywhere. Why do we use the metre today? **(1)**

(a) So that everyone measures with the same standard unit (b) Because feet are too long (c) Because inches are only used for mass

1.5 At what temperature does pure water freeze? **(1)**

(a) 0 °C (b) 37 °C (c) 100 °C

2 Matching

4 marks

Match the description in COLUMN A with the correct word in COLUMN B. Write only the LETTER. One word is left over.

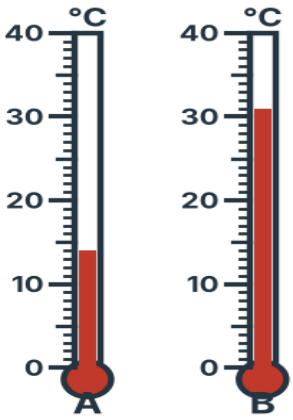
2.1 **(4)**

COLUMN A	COLUMN B	Answer
1. The distance around a shape	A. Volume	1 = _____
2. How much space a flat shape covers	B. Temperature	2 = _____
3. How much space a 3D object takes up	C. Area	3 = _____
4. How heavy something is	D. Perimeter	4 = _____
	E. Mass	

3 Temperature

6 marks

3.1 Look at thermometers A and B. a. What temperature does A show? b. What temperature does B show? **(2)**



a. _____ °C b. _____ °C

3.2 A digital thermometer shows Sipho's temperature as 38,4 °C. Normal body temperature is about 37 °C. How many degrees higher is Sipho's temperature? Show your working. **(2)**

_____

_____

3.3 Write these temperatures from COLDEST to HOTTEST: 23,5 °C ; 100 °C ; 9 °C ; 36,7 °C **(2)**

4 Mass and time

7 marks

4.1 A digital kitchen scale shows 1,25 kg of flour in a bowl. a. Write this mass in grams. b. Nomsa adds 450 g of sugar to the bowl. What is the total mass now in kilograms? c. How much more must she add to have exactly 2 kg? **(3)**

a. _____ b. _____

c. _____

4.2 A bus leaves at 19:35. The trip takes 2 hours and 50 minutes. At what time does it arrive? Show your working. **(2)**

4.3 How many days are there from 25 May to 14 June? Show your working. **(2)**

5 Length and mass

8 marks

5.1 Complete the conversions. **(3)**

Conversion	Answer
6,35 km = _____ m	
4 750 g = _____ kg	
0,8 m = _____ mm	

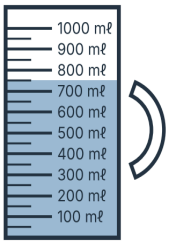
5.2 A packet of rice has a mass of 2 kg. Mama uses 750 g on Monday and 0,6 kg on Tuesday. How much rice is left? Give your answer in grams. Show your working. **(2)**

5.3 A lift may carry at most 1 000 kg. There are 12 people in the lift, each with a mass of 65 kg. How many more kilograms may still be loaded? Show your working. **(3)**

6 Capacity and volume

8 marks

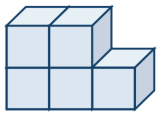
6.1 Look at the measuring jug below. **(2)**



a. How much liquid is in the jug? _____

b. Write it in litres: _____

6.2 The figure below is built from unit cubes. Find the volume. **(2)**



Volume = _____ cubic units

6.3 Calculate the volume of a rectangular prism 9 cm long, 4 cm wide and 5 cm high. **(2)**

6.4 A water tank holds 1,5 kilolitres. How many 12-litre buckets can be filled from it? **(2)**

7 Measurement

4 marks

7.1 Convert: 4,5 km = _____ m **(1)**

7.2 Convert: 2 350 g = _____ kg **(1)**

7.3 Convert: 3 ℓ = _____ mℓ **(1)**

7.4 Convert: 75 cm = _____ mm **(1)**

8 Perimeter and area

8 marks

8.1 Box A and box B are each built from 8 one-centimetre cubes (see the picture). a. What is the volume of each box? b. How many squares cover the outside of box A, and how many cover the outside of box B? c. Which box needs less wrapping paper? **(3)**

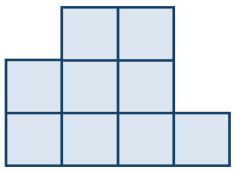


a. _____ b. A: _____ B: _____

c. _____

8.2 Rectangle A is 6 cm by 4 cm. Rectangle B is 9 cm by 1 cm. a. Show that both rectangles have a perimeter of 20 cm, and calculate the area of each. b. What do you notice? **(2)**

8.3 Find the area of the figure below by counting the squares. **(1)**



Area = _____ square units

8.4 A square garden has a perimeter of 36 m. Calculate the area. **(2)**

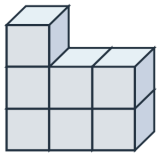
9 Perimeter, area and volume

9 marks

9.1 A rectangular soccer field is 95 m long and 60 m wide. Calculate the PERIMETER and the AREA. Show your working. **(4)**

Perimeter: _____ Area: _____

9.2 The figure below is built from unit cubes. Determine the volume. **(2)**



Volume = _____ cubic units

9.3 The perimeter of a square is 64 cm. Calculate the area. **(3)**

10 Ordering measurements

3 marks

10.1 Arrange the lengths from SHORTEST to LONGEST. First convert them all to the same unit. **(3)**

1,2 m 85 cm 1 050 mm 0,9 m

Total **62 marks**



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