MeerkatSkool

PRACTICE TEST

Practice test · Term 1–4
Version 1.6 · 21 October 2026

Mathematics · Grade 7

Measurement

Term 1–4 | 6 questions | CAPS-aligned

TOTAL
43
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	3	
2	Matching	4	
3	Perimeter and area of 2D shapes	8	
4	Surface area and volume	8	
5	Perimeter, area, volume and surface area	16	
6	Problem solving	4	
	Total	43	
	Percentage		%

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1 Multiple choice

3 marks

Choose the correct answer and circle its letter.

PRACTICE EXAMPLE · DO THIS ONE TOGETHER FIRST

How many centimetres are in one metre?

a 10 b 100 c 1 000

One metre has 100 centimetres, so the answer is b. Circle the b.

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

1.1 How many square millimetres are there in 1 cm²? **(1)**

(a) 10 mm² (b) 100 mm² (c) 1 000 mm²

1.2 An object with a volume of 1 m³ displaces how much water? **(1)**

(a) 1 ℓ (b) 1 kℓ (c) 100 ℓ

1.3 The volume of a cube with sides of 3 cm is: **(1)**

(a) 9 cm³ (b) 27 cm³ (c) 18 cm³

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. Area	1 = _____
2. How much space a flat shape covers	B. Surface area	2 = _____
3. How much space a 3D object takes up	C. Perimeter	3 = _____
4. The total area of all the faces of a 3D object	D. Temperature	4 = _____
	E. Volume	

3 Perimeter and area of 2D shapes

8 marks

3.1 a. A regular octagon has sides of 17 cm. Calculate its perimeter. b. The area of a square is 225 cm². Calculate its perimeter. **(3)**

3.2 The area of a triangle is 48 cm² and its base is 12 cm. Write a number sentence and find the height by inspection. **(2)**

3.3 A floor is 4,5 m long and 3,2 m wide. Carpet costs R85 per square metre. Calculate the area of the floor and the cost of the carpet. **(3)**

4 Surface area and volume

8 marks

4.1 Calculate the volume of a rectangular container 20 cm long, 12 cm wide and 7,5 cm high. How many litres does it hold? **(3)**

4.2 Calculate the surface area of a closed box 8 cm long, 5 cm wide and 4 cm high. Show your working. **(3)**

4.3 Convert. **(2)**

a. 4 500 mm³ = _____ cm³ b. 2,5 m³ = _____ cm³

5 Perimeter, area, volume and surface area

16 marks

5.1 Box A is a cube with edges of 4 cm. Box B is 8 cm long, 4 cm wide and 2 cm high. a. Calculate the volume of each box. b. Calculate the surface area of each box. (Notice: same volume, different surface area.) **(4)**

5.2 Calculate the area of a triangle with a base of 20 cm and a height of 13 cm. **(2)**

5.3 Calculate the volume of a rectangular prism 12 cm long, 9 cm wide and 5 cm high. **(3)**

5.4 Calculate the surface area of a cube with a side length of 9 cm. **(3)**

5.5 A rectangular sports field is 25 m by 14 m. Fencing costs R38 per metre. Calculate the cost. **(4)**

6 Problem solving

4 marks

6.1 A swimming pool is 12 m long, 6 m wide and 1,5 m deep. How many kilolitres of water does it hold? Show all your working. **(4)**

Total **43 marks**



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Thank you!
The MeerkatSkool team

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