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PAPER 2

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

Mathematics · Grade 6

Space, Measurement and Data Handling

Term 1–4 | 7 questions | CAPS-aligned

TOTAL 50 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	6	
2	Time and temperature	6	
3	Length and mass	8	
4	Capacity and volume	8	
5	Perimeter and area	8	
6	Position, 3D objects and symmetry	8	
7	Data handling	6	
	Total	50	
	Percentage		%

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Section A

1 Multiple choice

6 marks

Choose the correct answer and circle the letter next to it.

1.1 Long ago people measured length with parts of the body. A cubit was the length from the elbow to the tip of the middle finger. Why was this NOT a reliable way to measure? **(1)**

(a) Every person's arm is a different length (b) Elbows are hard to find (c) Fingers are too short

1.2 An angle of exactly a quarter turn is called a _____ angle. **(1)**

(a) Right (b) Acute (c) Obtuse

1.3 How many millimetres are there in 2,45 metres? **(1)**

(a) 245 mm (b) 2 450 mm (c) 24 500 mm

1.4 A box is filled with 60 one-centimetre cubes. Each layer has 5 × 4 cubes. How many layers are there? **(1)**

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

1.5 Which 3D object has 2 circular flat faces? **(1)**

(a) A cylinder (b) A cone (c) A sphere

1.6 Lindiwe tosses a coin 40 times. She gets heads 23 times. How many times does she get tails? **(1)**

(a) 23 (b) 17 (c) 20

Section B

Short questions

2 Time and temperature

6 marks

2.1 Look at the clock below. **(2)**



a. What time does the clock show? _____

b. Write this afternoon time in 24-hour time: _____

2.2 A flight leaves at 21:40 and lands 3 hours and 55 minutes later. What time does it land? Show your working. **(2)**

_____

_____

2.3 Look at the thermometer below. a. What temperature does it show? b. A digital thermometer inside the classroom shows 21,5 °C. How many degrees warmer is it outside (the thermometer above)? **(2)**



a. _____ °C

b. _____ °C

3 Length and mass

8 marks

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

Conversion	Answer
4,85 km = _____ m	
3 250 g = _____ kg	
0,6 m = _____ mm	

3.2 Look at the scale below. **(2)**



a. What is the mass in grams? _____

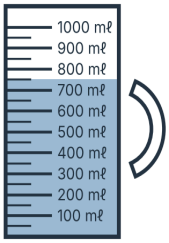
b. Write it in kilograms: _____

3.3 Apples cost R24 per kilogram. Thabo buys a bag of 2,5 kg and a bag of 1 500 g. a. What is the total mass in kilograms? b. How much does he pay? Show your working. **(3)**

4 Capacity and volume

8 marks

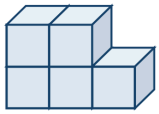
4.1 Look at the measuring jug below. **(2)**



a. How much liquid is in the jug? _____

b. Write it in litres: _____

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



Volume = _____ cubic units

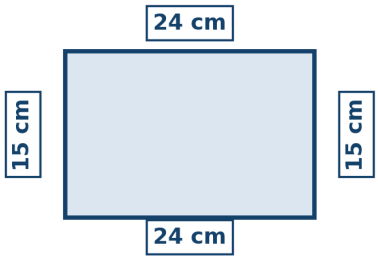
4.3 How many 1 cm cubes will fit into a box that is 12 cm long, 5 cm wide and 4 cm high? Show your working. **(2)**

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

5 Perimeter and area

8 marks

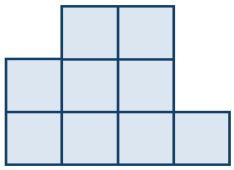
5.1 Calculate the perimeter AND the area of the rectangle below. **(3)**



Perimeter: _____ Area: _____

5.2 The area of a rectangle is 96 cm² and the length is 12 cm. Calculate the width and the perimeter. **(2)**

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



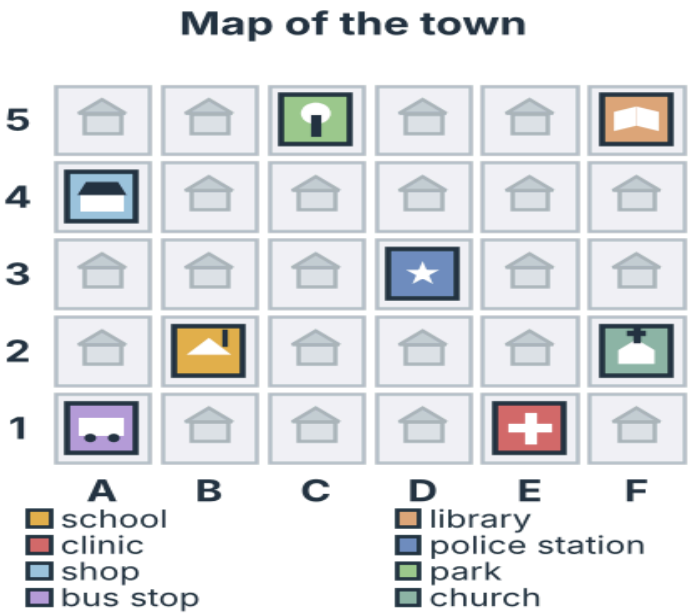
Area = _____ square units

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

6 Position, 3D objects and symmetry

8 marks

6.1 Look at the map of the town below. a. In which block is the clinic? b. What is in block D3? c. Give directions to walk from the school to the library. Use "blocks to the right/left" and "blocks up/down". **(4)**



a. _____

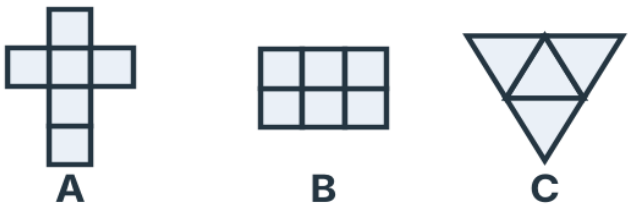
b. _____

c. _____

_____

_____

6.2 Look at the nets A, B and C below. a. Which net can be folded to make a cube? b. Which 3D object can be made by folding net C? c. Net B also has 6 squares. Why can it NOT be folded into a cube? **(3)**



a. _____ b. _____

c. _____

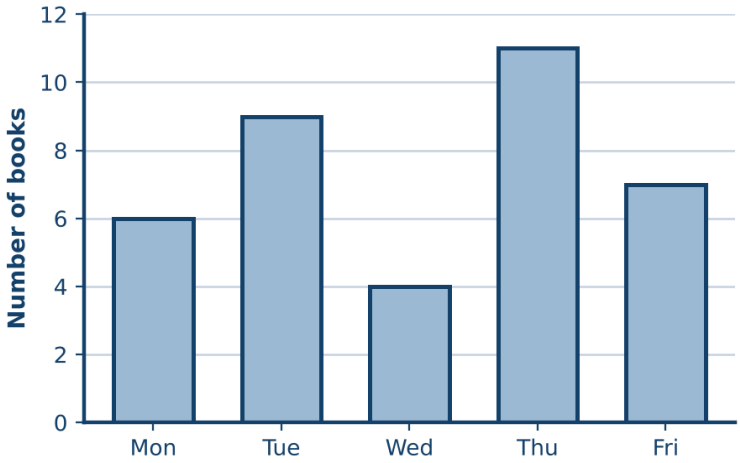
6.3 How many lines of symmetry does an equilateral triangle have? **(1)**

_____

7 Data handling

6 marks

7.1 The bar graph below shows how many books Grade 6 borrowed each day. Study it and answer the questions. **(6)**



a. How many books were borrowed for the whole week? _____

b. How many more books were borrowed on Tuesday than on Monday?

_____

c. What is the MEDIAN of the five numbers? _____

d. On which TWO days together were exactly 16 books borrowed? _____

e. On which day were the most books borrowed? _____

f. What fraction of the week's books was borrowed on Thursday? _____

Total **50 marks**



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