MeerkatSkool

PAPER 2

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

Mathematics · Grade 7

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	Geometry of lines and angles	8	
3	Geometry of 2D shapes	8	
4	Perimeter and area of 2D shapes	8	
5	Surface area and volume	8	
6	Transformations and 3D objects	6	
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 How many lines of symmetry does a rectangle that is NOT a square have? **(1)**

(a) 4 (b) 2 (c) 0

1.2 A triangle with three equal sides is called an _____ triangle. **(1)**

(a) Isosceles (b) Equilateral (c) Right-angled

1.3 The area of a triangle is calculated with: **(1)**

(a) base × height (b) 2 × (base + height) (c) $\frac{1}{2}$ × base × height

1.4 How many cubic centimetres are there in 1 litre? **(1)**

(a) 1 000 cm³ (b) 100 cm³ (c) 10 000 cm³

1.5 Two lines that meet at 90° are called _____ lines. **(1)**

(a) parallel (b) perpendicular (c) intersecting

1.6 A spinner has 8 equal parts numbered 1 to 8. What is the probability of spinning a number greater than 5? **(1)**

(a) $\frac{3}{8}$ (b) $\frac{5}{8}$ (c) $\frac{1}{2}$

Section B

Short questions

2 Geometry of lines and angles

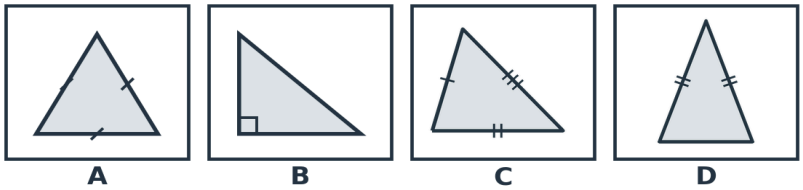
8 marks

2.1 Classify each angle: 35° · 140° · 180° · 250° **(4)**

35°: _____ 140°: _____

180°: _____ 250°: _____

2.2 Study the triangles below and name each one. **(4)**



A: _____ B: _____

C: _____ D: _____

3 Geometry of 2D shapes

8 marks

3.1 Name each triangle: sides of 6 cm, 6 cm and 6 cm · sides of 5 cm, 5 cm and 8 cm · one angle of 90° **(3)**

3.2 Rectangle A is 4 cm × 6 cm and rectangle B is 8 cm × 12 cm. Are they similar or congruent? Explain. **(2)**

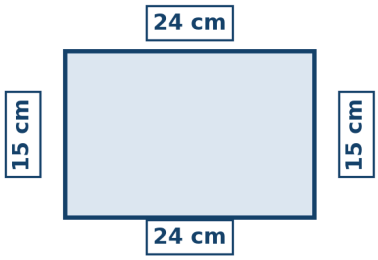
3.3 Write ONE property next to each quadrilateral. **(3)**

Quadrilateral	One property
Square	
Parallelogram	
Trapezium	

4 Perimeter and area of 2D shapes

8 marks

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



Perimeter: _____ Area: _____

4.2 Calculate the area of a triangle with a base of 14 cm and a height of 9 cm. **(2)**

4.3 A rectangular garden is 18 m long and 11 m wide. Fencing costs R45 per metre. Calculate the cost of fencing the garden. **(3)**

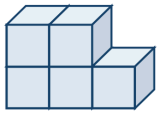
5 Surface area and volume

8 marks

5.1 Calculate the volume of a rectangular prism 15 cm long, 8 cm wide and 6 cm high. **(3)**

5.2 Calculate the surface area of a cube with a side length of 7 cm. **(3)**

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

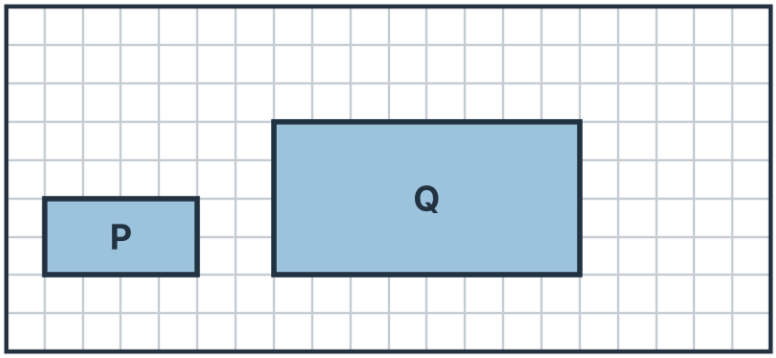


Volume = _____ cubic units

6 Transformations and 3D objects

6 marks

6.1 Rectangle Q is an enlargement of rectangle P. **(3)**



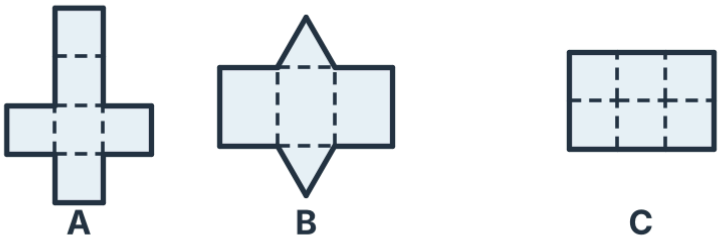
a. What is the factor of enlargement? _____

b. Are P and Q congruent or similar? Give a reason.

_____

c. On the grid above, draw a reduction of P in which every side is half as long.

6.2 Look at the nets A, B and C. **(3)**



a. Which net can be folded into a cube? _____

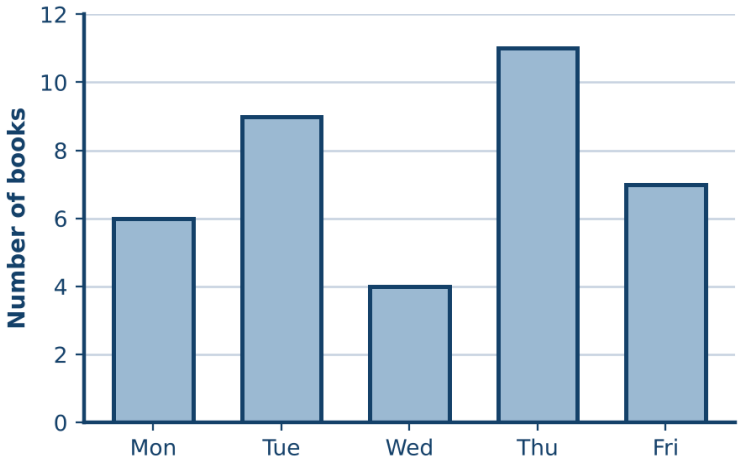
b. Name the 3D object that net B folds into. _____

c. How many vertices does that object have? _____

7 Data handling

6 marks

7.1 The bar graph below shows how many books Grade 7 borrowed each day. Study it and answer the questions. **(6)**



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

b. Calculate the MEAN per day. _____

c. What is the MEDIAN? _____

d. What is the MODE, if any? _____

e. What is the RANGE? _____

f. Which measure of central tendency (mean, median or mode) suits this data best? Give a reason. _____

Total **50 marks**



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