

Mathematics Final Examination (Grade 6)

Total Marks: 40

Time Allowed: 1 Hour

Examination Rubric

Section	Question Type	Number of Questions	Marks Each	Total Marks
A	Multiple Choice Questions (MCQ)	2	2	4
B	Fill in the Blank	1	2	2
C	True/False	1	2	2
D	Short Answer Questions	2	5	10
E	Long Answer Questions	2	11	22
Total		8 Questions		40 Marks

Instructions

1. Answer all questions.
 2. Show all necessary calculations.
 3. Write neatly and clearly.
 4. Read each question carefully before answering.
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Section A: Multiple Choice Questions (2 × 2 = 4 Marks)

Q1.

What is the value of:

$$25 \times 4 = ?$$

- a) 80
 - b) 90
 - c) 100
 - d) 120
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Q2.

A rectangle has a length of 8 cm and a width of 5 cm. What is its perimeter?

- a) 13 cm
 - b) 26 cm
 - c) 40 cm
 - d) 20 cm
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Section B: Fill in the Blank (1 × 2 = 2 Marks)

Q3.

The fraction equivalent to $\frac{1}{2}$ is ____/10.

Section C: True or False (1 × 2 = 2 Marks)

Q4.

The sum of the angles in a triangle is **180°**.

True / False

Section D: Short Answer Questions (2 × 5 = 10 Marks)

Q5.

A shopkeeper has 48 pencils. He wants to pack them equally into 6 boxes.

- a) How many pencils will be in each box?
 - b) Show your calculation.
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Q6.

Find the area of a rectangle whose length is 12 cm and width is 7 cm.

Show the formula and calculation.

Section E: Long Answer Questions (2 × 11 = 22 Marks)

Q7.

A school organized a Mathematics Fair. There were 120 students participating in different activities. Out of these, 45 students participated in a quiz competition, 35 students participated in a puzzle-solving activity, and the remaining students participated in a mathematics model exhibition.

Calculate:

- a) The total number of students who participated in the quiz and puzzle activities.

- b) The number of students who participated in the model exhibition.
- c) Explain, in complete sentences, how you found your answer.

Write your explanation in multiple paragraphs and show all calculations clearly.

Q8.

A farmer owns a rectangular field that is 25 meters long and 18 meters wide.

- a) Find the perimeter of the field.
- b) Find the area of the field.
- c) If the farmer wants to put a fence around the entire field, explain why perimeter is important.
- d) Describe the difference between area and perimeter using this field as an example.

Write your answer in detailed paragraphs and include all mathematical calculations.