

Student Name: _____**Class:** _____**Student ID:** _____**Date:** {{DATE}}

Assessment Details

Duration: 45 minutes**Total Marks:** 100**Topics Covered:**

- Area of Rectangles
- Area of Squares
- Real-World Applications

Instructions to Students:

1. Read all questions carefully before attempting.
2. Show all working out - marks are awarded for method.
3. Calculator use is permitted except where stated otherwise.
4. Write your answers in the spaces provided.
5. If you need more space, use the additional pages at the end.
6. Time management is crucial - allocate approximately 1 minute per mark.

Question 1

[2 marks]

What is the formula for calculating the area of a rectangle?

A) Length x Width

B) Length + Width

C) Length - Width

D) Length / Width

Question 2

[2 marks]

If a square has a side length of 5 cm, what is its area?

A) 10 cm²

B) 20 cm²

C) 25 cm²

D) 30 cm²

Question 3

[2 marks]

What is the area of a rectangle with a length of 6 cm and a width of 4 cm?

A) 10 cm²

B) 20 cm²

C) 24 cm²

D) 30 cm²

Question 4

[8 marks]

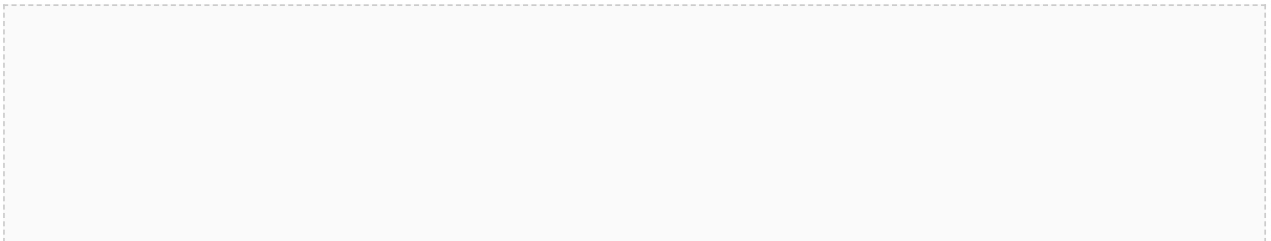
A rectangular garden measures 8 meters in length and 5 meters in width. What is the area of the garden?



Question 5

[8 marks]

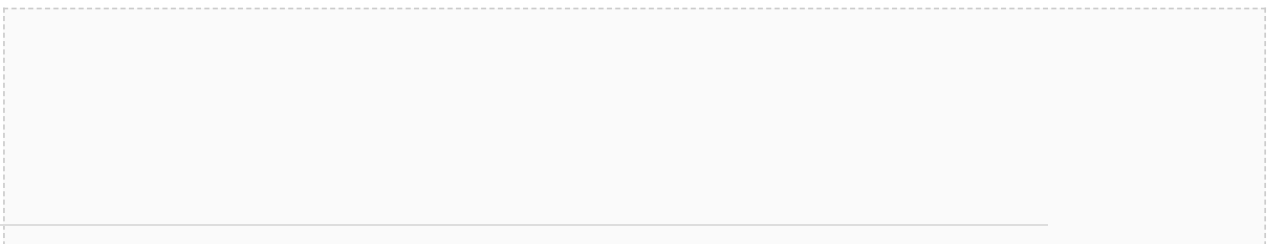
A square picture frame has a side length of 3 meters. What is the area of the frame?



Question 6

[8 marks]


A room has a rectangular shape with a length of 10 meters and a width of 6 meters. What is the area of the room?



Question 7

[5 marks]

Label the length and width of the rectangle in the diagram.


 Rectangle Diagram

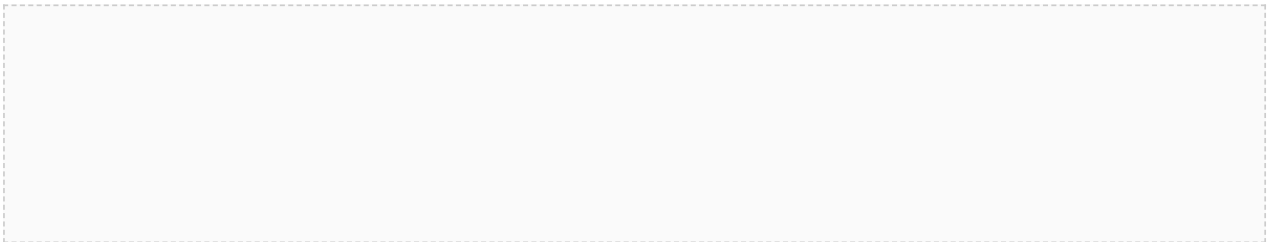


Question 8

[5 marks]

Identify the area of the square in the diagram.

 Square Diagram

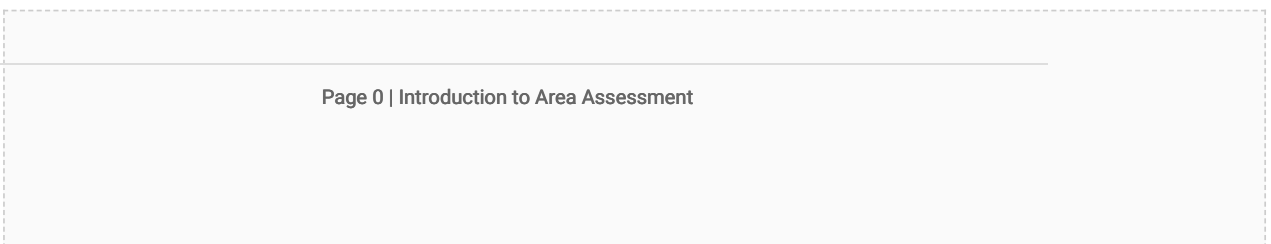


Question 9

[5 marks]

Label the different parts of the diagram that represent the area of a rectangle.

 Rectangle Parts Diagram



Marking Guide

Multiple Choice questions: 1 point for each correct answer

Short Answer questions: 2 points for each correct answer

Diagram Labeling questions: 3 points for each correct label

Implementation Guidelines

Time allocation: 45 minutes

Administration tips:

- Ensure that students have a clear understanding of the instructions and the questions.
- Encourage students to read each question carefully and answer to the best of their ability.
- Provide feedback and guidance as needed.

Differentiation Options

For students with visual impairments:

- Provide large print or braille versions of the assessment.
- Use assistive technology to read the questions and answers.

For students with learning difficulties:

- Provide extra time to complete the assessment.
- Use visual aids and diagrams to support understanding.

For English language learners:

- Provide a bilingual version of the assessment.
- Use visual aids and diagrams to support understanding.

Evidence Collection Methods

Multiple Choice questions: will provide evidence of students' knowledge and comprehension of area concepts.

Short Answer questions: will provide evidence of students' ability to apply area formulas to real-world problems.

Diagram Labeling questions: will provide evidence of students' ability to identify and label different parts of a diagram related to area.

Feedback Opportunities

Review students' answers and provide feedback on their understanding of area concepts.

Identify areas where students need additional support and provide targeted instruction.

Use the assessment results to inform future instruction and adjust the curriculum as needed.

Clear Success Criteria

Students will be able to calculate the area of rectangles and squares using the correct formulas.

Students will be able to apply area formulas to real-world problems.

Students will be able to identify and label different parts of a diagram related to area.

Bloom's Taxonomy Alignment

Knowledge: Multiple Choice questions will assess students' knowledge of area concepts.

Comprehension: Short Answer questions will assess students' understanding of area concepts.

Application: Short Answer questions will assess students' ability to apply area formulas to real-world problems.

Multiple Intelligence Approaches

Visual-spatial intelligence: Diagram Labeling questions will assess students' ability to identify and label different parts of a diagram related to area.

Logical-mathematical intelligence: Multiple Choice and Short Answer questions will assess students' ability to calculate the area of rectangles and squares using the correct formulas.

Linguistic intelligence: Short Answer questions will assess students' ability to communicate their understanding of area concepts in writing.