



Subject: Grade 7 Mathematics
Topic: Geometry of straight lines
Total: 37 Marks

Name: _____

Date: _____

Question 1: True/False

1 mark

A half turn, i.e. a half revolution, is 9° .

TRUE

FALSE

Question 2: Text Input

3 marks

If two angles of a triangle are 57° and 24° , the third angle will be equal to ... $^\circ$

[Give the number only]

Question 3: Multiple Choice

2 marks

An isosceles triangle is a triangle in which...

- | | |
|----------|----------------------------------|
| A | all 3 sides have the same length |
| B | 2 sides have the same length |
| C | 1 angle is a right angle |
| D | 3 angles are the same |
-

Question 4: True/False

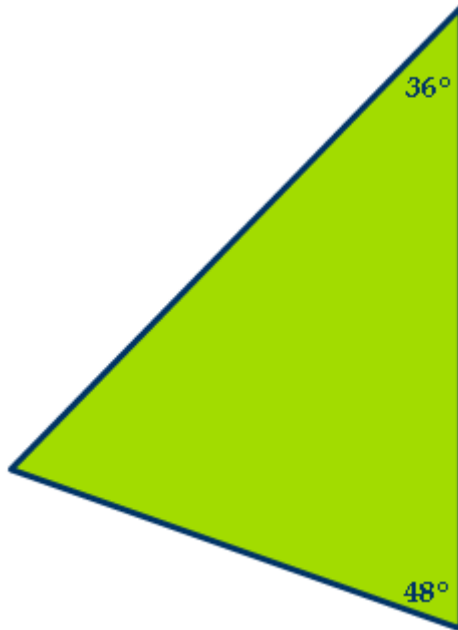
2 marks

All shapes have at least one line of symmetry.

TRUE

FALSE

This image refers to question: 5



Question 5: Please Fill In The Blanks

6 marks

The third angle in the given triangle will be equal to (1)

This means that the given triangle is (2) as none of the angles are equal.

It is a/an (3) triangle because one of the angles is greater than 90° .

Possible Answers: scalene | isosceles | obtuse-angled | acute-angled | 96° | 84° | equilateral | 106°

1	
3	

2	
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Question 6: Text Input

3 marks

In a right angled triangle, one of the other two angles is equal to 44° .

The third angle is equal to ... $^\circ$

[Give the number only]

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Question 7: Multiple Choice

4 marks

When two lines intersect, ... angles are formed.

- | | |
|----------|---------------------|
| A | vertically opposite |
| B | directly opposite |
| C | two |
| D | horizontally |
| E | opposite |
-

Question 8: Please Fill In The Blanks

4 marks

Parallel lines are lines that lie in the same (1) and will (2) each other.

Possible Answers: plane | plain | not intersect | bisect | cut | straight

1	<input type="text"/>	2	<input type="text"/>
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Question 9: Please Fill In The Blanks

6 marks

(1) lines run in the same direction and will never meet.

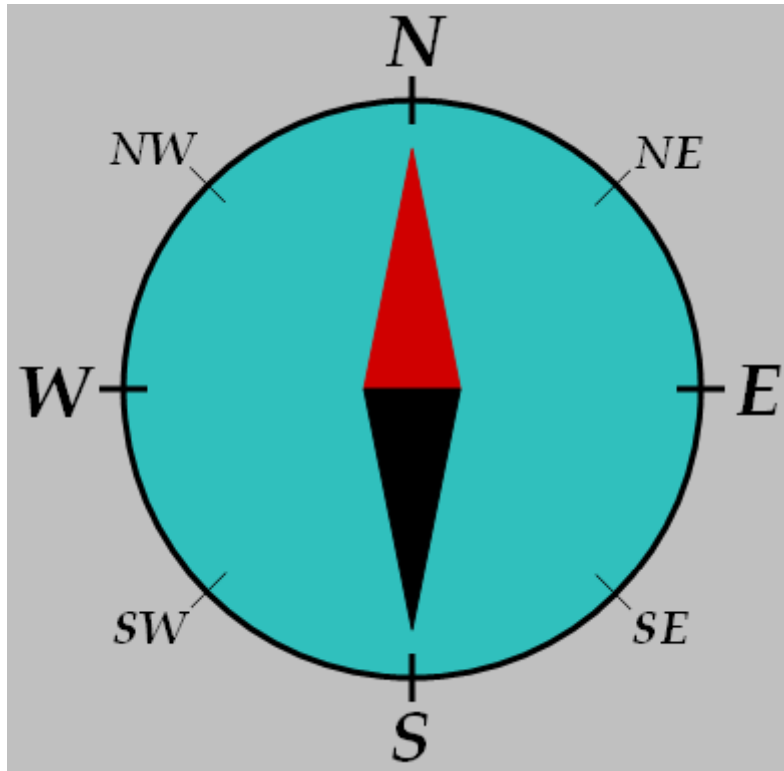
(2) lines meet at right angles.

A (3) is a line that cuts one or more other lines.

Possible Answers: parallel | perpendicular | transversal | bisector | ruler | set square

1	<input type="text"/>	2	<input type="text"/>
3	<input type="text"/>		

This image refers to question: 10



Question 10: Please Fill In The Blanks

6 marks

Study the given compass.

The direction North is indicated as 0° .

The other directions are found by turning right from facing *N*.

Therefore:

E is at (1)

SW is at (2)

NW is at (3)

Possible Answers: 270° | 225° | 135° | 90° | 45° | 315° | 18° | 3°

1	
3	

2	
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Total: 37 Marks