

STUDENT WORKSHEET

Plane Geometry | 7th Grade

Mathematics □ Geometry

Student Name:

Date :

Class:

Value :

Answer each of the following questions accurately and correctly!

1 Which of the following is NOT a two-dimensional shape?

A. Rectangle

B. Circle

C. Ball

D. Triangle

2 A triangle with three sides of equal length is called

A. Right-angled triangle

B. Equilateral Triangle

C. General Triangle

D. Isosceles Triangle

3 The formula for the area of a circle with radius r is

A. $2 \times \pi \times r$

B. $\pi \times r \times r$

C. $\pi \times d$

D. $4 \times \pi \times r$

4 Fill in the blanks with the correct answers!

a. A triangle has sides.






b. A plane figure in which all points are equidistant from the centre is called

c. A trapezium has pairs of parallel sides.

d. The perimeter of a square with side length s is

e. A parallelogram has opposite angles of equal measure.

1 Match the shapes with their correct names and properties!

 <div style="background-color: teal; color: white; padding: 2px 10px; border-radius: 5px; display: inline-block;">Rectangle</div>	It has four sides, two pairs of which are parallel and of equal length
 <div style="background-color: red; color: white; padding: 2px 10px; border-radius: 5px; display: inline-block;">Isosceles Triangle</div>	Two sides of equal length, one axis of symmetry
 <div style="background-color: yellow; color: black; padding: 2px 10px; border-radius: 5px; display: inline-block;">Circle</div>	All points are equidistant from the centre
 <div style="background-color: green; color: white; padding: 2px 10px; border-radius: 5px; display: inline-block;">Trapezium</div>	Exactly one pair of parallel sides
 <div style="background-color: blue; color: white; padding: 2px 10px; border-radius: 5px; display: inline-block;">Parallelogram</div>	Two pairs of parallel sides, no right angles

2 a. Work out the area and perimeter of the following two-dimensional shapes!

A square with sides of 9 cm.

Area = cm² | Circumference = cm

b. A triangle with a base of 12 cm and a height of 8 cm.

Area = cm² | Circumference = cm

c. Lingkaran dengan jari-jari 7 cm ($\pi = 22/7$).

Area = cm² | Circumference = cm

3 List at least three properties of the following two-dimensional shapes!

<div style="background-color: teal; color: white; padding: 2px 10px; border-radius: 5px; text-align: center;">Square</div> <ol style="list-style-type: none"> 1. _____ 2. _____ 3. _____ 	<div style="background-color: red; color: white; padding: 2px 10px; border-radius: 5px; text-align: center;">Trapezium</div> <ol style="list-style-type: none"> 1. _____ 2. _____ 3. _____ 	<div style="background-color: green; color: white; padding: 2px 10px; border-radius: 5px; text-align: center;">Parallelogram</div> <ol style="list-style-type: none"> 1. _____ 2. _____ 3. _____
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