

# 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!

	<b>Rectangle</b>	It has four sides, two pairs of which are parallel and of equal length
	<b>Isosceles Triangle</b>	Two sides of equal length, one axis of symmetry
	<b>Circle</b>	All points are equidistant from the centre
	<b>Trapezium</b>	Exactly one pair of parallel sides
	<b>Parallelogram</b>	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 = ..... cm<sup>2</sup> | Circumference = ..... cm

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

Area = ..... cm<sup>2</sup> | Circumference = ..... cm

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

Area = ..... cm<sup>2</sup> | Circumference = ..... cm

3

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

**Square**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

**Trapezium**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

**Parallelogram**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

