

Activity Worksheet

Challenging brain

Sub : Mathematics

Grade: IX

Date:

Name:

ID No.....

Rapid Fire Quiz

State whether the following statements are true or false by tick (\checkmark) marking in the box.

- | | True | False |
|---|--------------------------|--------------------------|
| 1. S used in Heron's formula is the perimeter of the triangle. | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. The altitude of an equilateral triangle with side a is $\frac{\sqrt{3}}{2}a$. | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. The area of an isosceles right triangle is the product of the lengths of its two legs. | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Area of a parallelogram is twice the area of a triangle formed by joining any diagonal of the parallelogram. | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. The area of any quadrilateral ABCD is twice the area of ΔABC . | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. The area of a rhombus with each side 5 cm and one of the diagonals 6 cm is 15 cm ² . | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. The area of the equilateral triangle is $3\sqrt{3}\text{cm}^2$ whose side is $2\sqrt{3}\text{cm}$. | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. The area of a triangle with sides 12 cm, 14 cm and 16 cm and height 6 cm corresponding to side 16 cm, is 48cm ² | <input type="checkbox"/> | <input type="checkbox"/> |