

**MODEL ACTIVITY TASKS**  
**CLASS – VIII**  
**MATHEMATICS**

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**Answer the following questions :**

1. The sum of the adjacent angles formed by a ray standing on a straight line is equal to \_\_\_\_\_ right angles.
2. The Number 1729 is famous as \_\_\_\_\_ number.
3. If  $a + \frac{1}{a} = 1$  then  $a^3 + 1 =$ \_\_\_\_\_.
4. If  $m + n = 5$  &  $mn = 6$ , then find  $(m^2+n^2) (m^3+n^3)$ .
5. Factorise :  $x^3-9y^3-3xy(x-y)$ .

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**Students will write answers to these activity tasks in subject specific exercise books at home, and submit the exercise books to respective subject teachers after schools reopen.**  
**Under no circumstance, students will go out of home**