

# Activity Worksheet

Challenging brain

Sub : Mathematics

Grade: IX

Date: .....

Name: .....

ID No.....

## Arrange a Seminar on Works of Euclid

Answer the following questions, based on the topic indicated above.

1. What is the name of the country to which Euclid belongs?

---

---

2. Is Euclidean geometry valid only for the figures in the plane? Give reason.

---

---

3. Define the following terms:

(i) Axiom

(ii) Theorem

(i)

---

---

(ii)

---

---

4. Kartikay is of the same age as Deepak. Ram is also of the same age as Deepak. State Euclid's axiom that illustrates the relative ages of Kartikay and Ram.

---

---

---

5. What is the condition for consistency of a system of axioms?

---

---

---

6. Why is Axiom 5, in the list of Euclid's axioms, considered as a 'universal truth'?

---

---

7. Why do we take a point, a line and a plane as undefined terms in geometry?

---

---