

VALUE BASED QUESTIONS

Class : X

Subject: Mathematics

Topic :Constructions

1. Construct a triangle similar to a given $\triangle ABC$, where $AB = 4\text{cm}$, $BC = 6\text{ cm}$ and $\angle ABC = 60^\circ$, such that each of its sides is $\frac{5}{7}$ th of the corresponding sides of the $\triangle ABC$. (3 Mark)

Value based Question: (1 Mark)

- i. What qualities of Gandhiji would you like to construct within you.

Key Points:

- ♣ **Simplicity**
- ♣ **Truthfulness**
- ♣ **Non-violence**

2. Draw a line segment of length 8cm divided it in the ratio 3:4 (2 Marks)

Value based Question: (1 Mark)

Dividing Joint families into nuclear families is good or bad.

Key Points:

- ♣ **Unity**
- ♣ **Adjustability**
- ♣ **Equality**

3. Draw a circle of radius 5cm. Draw tangents from end points of its diameter.
What do you observe? (2 Marks)

Value based question: (1 Mark)

If each tangent represents the quality of a human being, find out the qualities that should be adopted for a better human being.

Key Points:

- ♣ **Kindness, generosity**
- ♣ **zealous, nobleness**