

# Activity Worksheet

Challenging brain

Sub : Mathematics

Grade: IX

Date: .....

Name: .....

ID No.....

## Multiple Choice Questions

Write the correct answer in each of the following:

1. In Fig. 4.11, bisectors of  $\angle B$  and  $\angle C$  meet at O. Then  $\angle BOC$  equal to

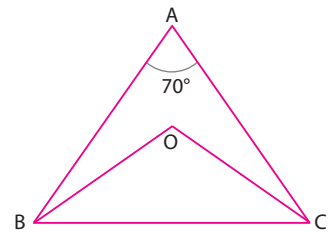
(a)  $70^\circ$  (b)  $110^\circ$   
(c)  $125^\circ$  (d)  $235^\circ$

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2. In Fig. 4.12, BO, CO are the bisectors of external angles  $\angle CBE$  and  $\angle BCD$  respectively of  $\triangle ABC$ . Then  $\angle BOC$  is equal to

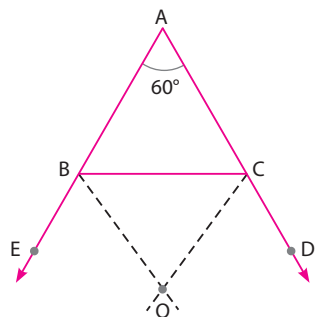
(a)  $120^\circ$  (b)  $30^\circ$   
(c)  $60^\circ$  (d)  $80^\circ$

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3. The angle which exceeds its complement by  $30^\circ$  is

(a)  $150^\circ$  (b)  $120^\circ$  (c)  $60^\circ$  (d)  $80^\circ$

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4. The angle which is twice its supplement is

(a)  $60^\circ$  (b)  $120^\circ$  (c)  $110^\circ$  (d)  $130^\circ$

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