

# Activity Worksheet

Challenging brain

Sub : Mathematics

Grade: IX

Date: .....

Name: .....

ID No.....

1. Write the correct answer in each of the following.

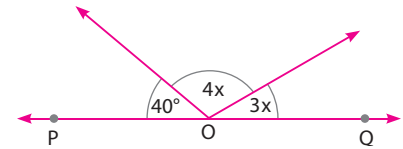
(i.) In Fig. 4.17, POQ is a line. The value of  $x$  is

(a)  $25^\circ$

(b)  $30^\circ$

(c)  $15^\circ$

(d)  $20^\circ$



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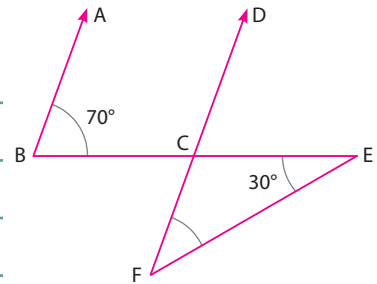
(ii.) In Fig. 4.18, if  $AB \parallel CD$ , then  $\angle EFD$  is equal to

(a)  $50^\circ$

(b)  $20^\circ$

(c)  $30^\circ$

(d)  $40^\circ$



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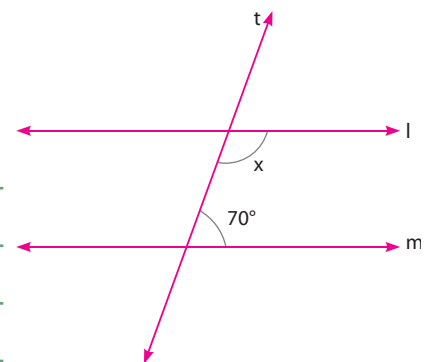
(iii.) In Fig. 4.19, angle  $x$  is

(a)  $20^\circ$

(b)  $29^\circ$

(c)  $110^\circ$

(d) none of these



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(iv.) If one of the angles of triangle is  $110^\circ$ , then the angle between the bisectors of the other two angles can be

(a)  $70^\circ$

(b)  $65^\circ$

(c)  $75^\circ$

(d)  $145^\circ$

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