



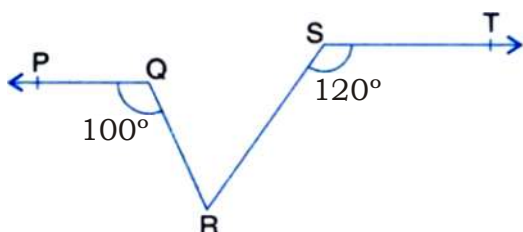
By Pushpendra Sir

GEOMETRY

LINE/रेखा

1. In the fig, if $PQ \parallel ST$, $\angle PQR = 100^\circ$ and $\angle RST = 120^\circ$ find $\angle QRS$?

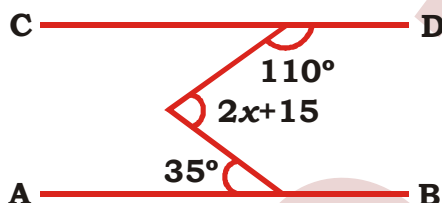
नीचे दिये गये चित्र में, $PQ \parallel ST$, $\angle PQR = 100^\circ$ और $\angle RST = 120^\circ$, $\angle QRS$ ज्ञात करें।



- (A) 40° (B) 50°
(C) 60° (D) 70°

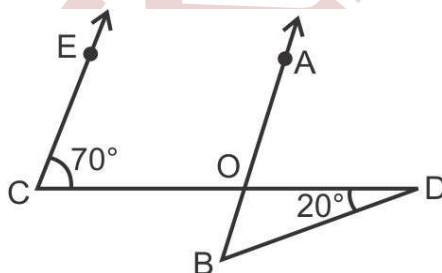
2. In the given fig below $AB \parallel CD$, find x ?

नीचे दिये गये चित्र में $AB \parallel CD$, x का मान बताओ?



- (A) 45° (B) 40°
(C) 35° (D) 67.5°

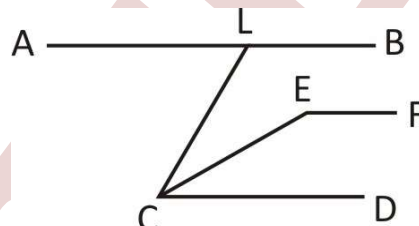
3. In the given fig. $EC \parallel AB$, $\angle ECD = 70^\circ$, $\angle BDO = 20^\circ$ find $\angle OBD$?



- (A) 40° (B) 50°
(C) 30° (D) 70°

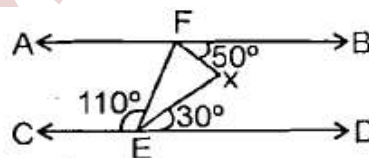
4. In the fig. $AB \parallel CD$, $\angle ALC = 60^\circ$. EC is the angle bisector of $\angle LCD$. $EF \parallel AB$. $\angle CEF = ?$

दिये गये चित्र में $AB \parallel CD$, $\angle ALC = 60^\circ$. EC, $\angle LCD$ का अंतकोण समद्विभाजक है। $EF \parallel AB$ तो $\angle CEF$ का मान बताओ?



- (A) 100° (B) 150°
(C) 120° (D) 110°

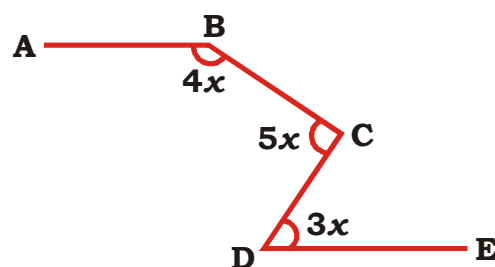
5. In the fig., find $\angle FXE$. $AB \parallel CD$.



- (A) 70° (B) 60°
(C) 80° (D) 40°

6. In the shown fig $AB \parallel DE$. Find supplementary angle of x .

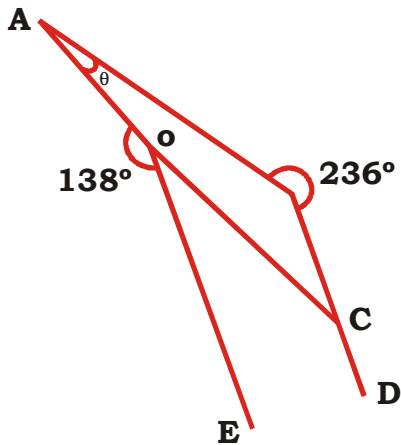
दिये गये चित्र में $AB \parallel DE$, x का संपूरक कोण ज्ञात करें।



- (A) 120° (B) 150°
(C) 140° (D) 125°

7. In the given fig $OE \parallel BD$. Find the value of θ ?

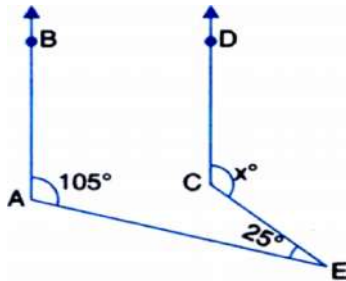
नीचे दिये चित्र में $OE \parallel BD$ तो θ का मान बताइये?



- (A) 19° (B) 12°
(C) 14° (D) 15°

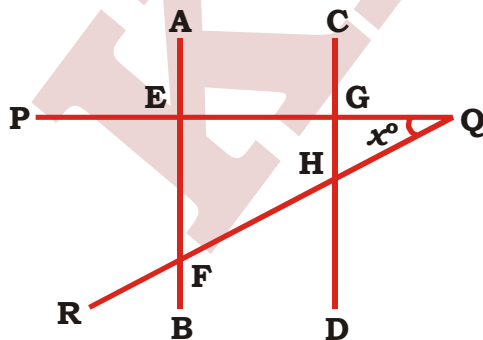
8. In the given fig. $AB \parallel CD$, then find $\angle DCE$?

दिये गये चित्र में $AB \parallel CD$ तो $\angle DCE$ का मान निकालें?



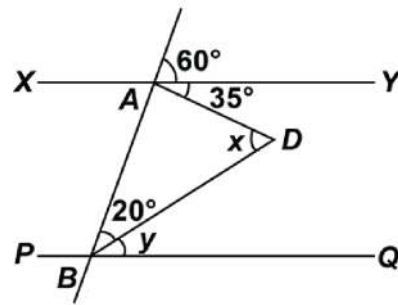
- (A) 120° (B) 110°
(C) 100° (D) 130°

9. In the fig. $AB \parallel CD$, $\angle PEB = 80^\circ$ and $\angle DHQ = 120^\circ$. Find x° ?



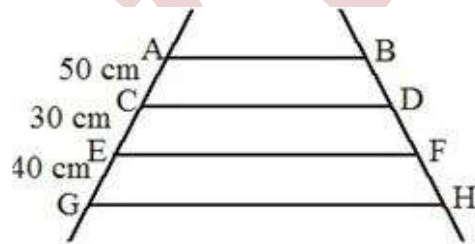
- (A) 40° (B) 20°
(C) 100° (D) 30°

10. In the given figure, if $XY \parallel PQ$, then find the value of $\angle x$ and $\angle y$



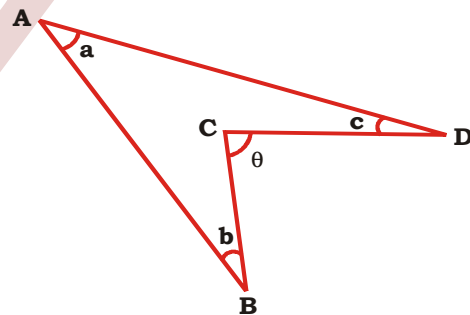
- (A) $75^\circ, 40^\circ$ (B) $45^\circ, 60^\circ$
(C) $75^\circ, 45^\circ$ (D) $60^\circ, 45^\circ$

11. In a figure $AB \parallel CD \parallel EF \parallel GH$ and $BH = 100$ cm. Find the value of DF .



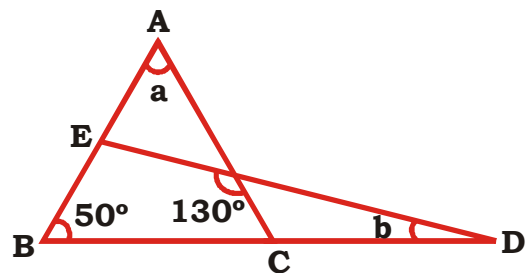
- (A) 26 cm (B) 40 cm
(C) 25 cm (D) 24 cm

12. In the given fig. Find θ .



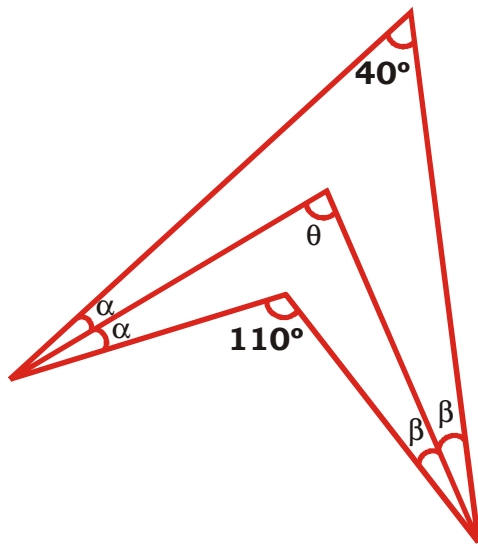
- (A) 180° (B) $a + b - c$
(C) $a + b + c$ (D) None

13. In the given fig. Find $a + b$.



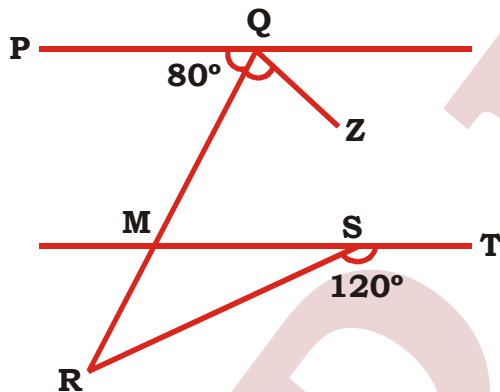
- (A) 70° (B) 60°
(C) 80° (D) 50°

14. In the given fig., find θ .

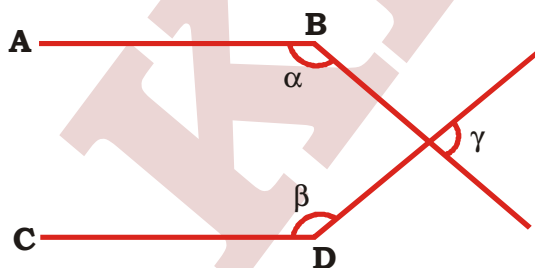


- (A) 70° (B) 65°
(C) 75° (D) None

15. In the given fig. $\angle RQZ = 2\angle QRS$, $PQ \parallel ST$. Find $\angle RQZ$.

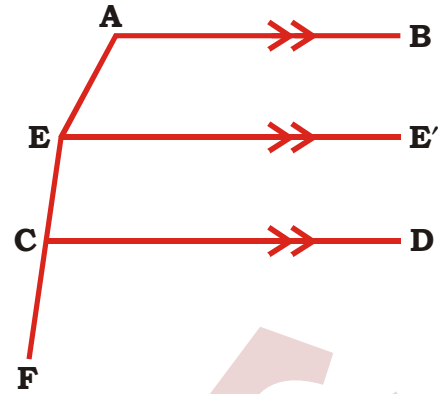


16. In the fig. $AB \parallel CD$, find $\alpha + \beta + \gamma$.



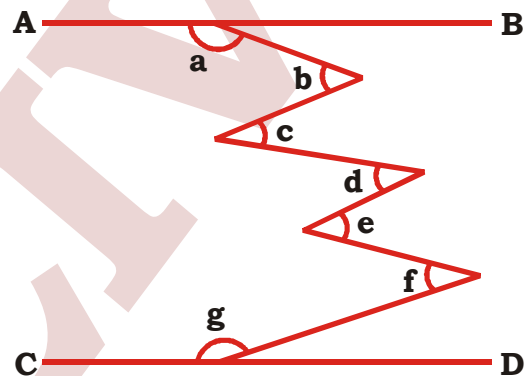
- (A) 180° (B) 270°
(C) 360° (D) None

17. In the fig. $AB \parallel CD$ & $CD \parallel EE'$, $\angle A = 128^\circ$, $\angle E = 144^\circ$. Find $\angle FCD$.



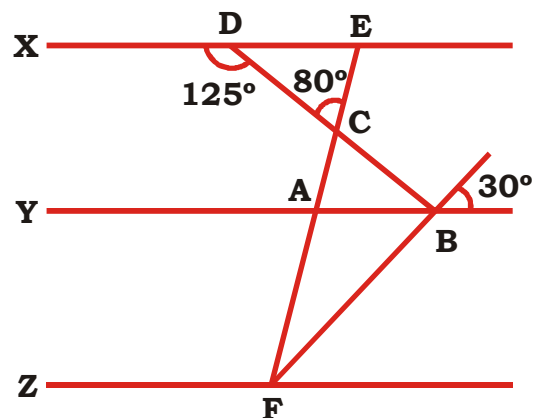
- (A) 90° (B) 92°
(C) 82° (D) 94°

18. In the given fig $AB \parallel CD$ then choose correct one.



- (A) $a + c + e + g = b + d + f$
(B) $b + d + f + a + g = 360 + e + c$
(C) $180 + b + d + f = a + c + e + g$
(D) None

19. In the fig. find $\angle AFB$. $X \parallel Y \parallel Z$.



- (A) 20° (B) 15°
(C) 30° (D) 10°

20. If $(2x+17^\circ)$, $(x+4^\circ)$ are complementary. Find x .

यदि $(2x+17^\circ)$ तथा $(x+4^\circ)$ कोटिपूरक कोण है तो x का मान बताओ।

- (A) 44° (B) 23°
(C) 52° (D) 38°

21. The measure of supplement of $\angle A$ is 40° Larger than twice the measure of the complement of angle of A. What is the sum in degree, of the measures of the supplement and complement of $\angle A$.

कोण A का सपूरक कोण उसके कोटिपूरक के दोगुने से 40° अधिक है। कोण A के सपूरक और कोटिपूरक का योग कितना होगा।

- (A) 190° (B) 140°
(C) 175° (D) 230°

22. If two supplementary angles are in the ratio 13:5. Find the greater angle.

यदि दो सपूरक कोणों का अनुपात 13:5 है तो बड़ा कोण बताओ?

- (A) 130° (B) 65°
(C) 230° (D) 21°

23. The measure of an angle is 14° less than the measure of its complementary angle then find the value of angle?

एक कोण का मान उसके कोटिपूरक कोण से 14° कम है। कोण का मान बताओ।

- (A) 38° (B) 48°
(C) 52° (D) 60°