

UNIT 9 – GEOMETRY

1. Name the object in Figure 1 that has the following net.

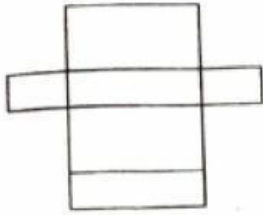


Figure 1

2. Label the angles in Figure 2a and 2b as an acute, reflex or right angle.

(a).

Figure 2a



(b)

Figure 2b



3. Which of the following is an obtuse angle?

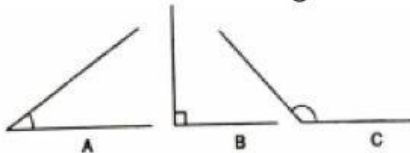


Figure 3

4. Name the angle x below.

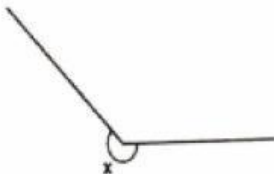


Figure 4

5. Figure 5 shows four angles: A, B, C and D. Which angle is an acute angle?

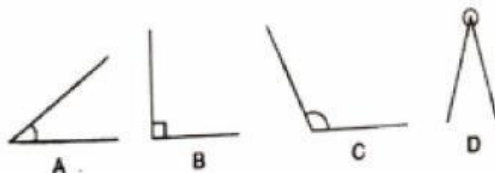


Figure 5

6. Write down the type of angle in Figure 6.



Figure 6

7. Which diagram in Figure 7 is an acute angle?

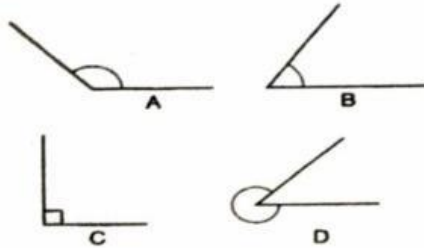


Figure 7

8. How many axes of symmetry does the regular pentagon in Figure 8 have?

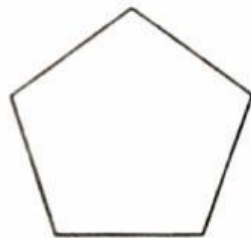


Figure 8

9. Which of the following shapes below has two axes of symmetry?

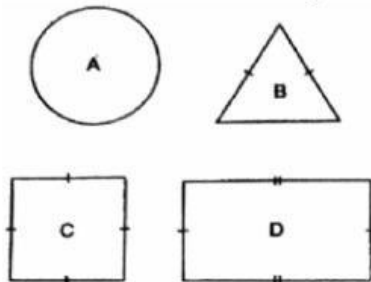


Figure 9

10. Draw the axis of symmetry of the following Figure 10a and Figure 10b.

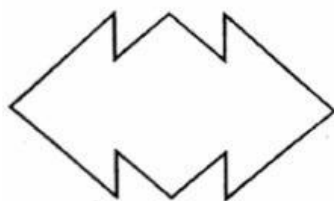


Figure 10a

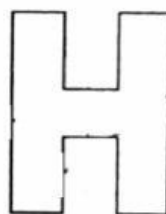


Figure 10b

11. Draw the axes of symmetry for the shape Figure 11a and Figure 11b.

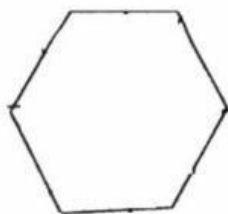


Figure 11a

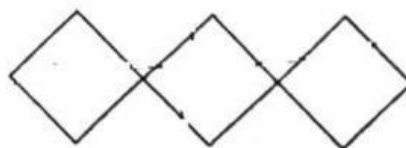


Figure 11b

12. Name the angle x formed by the hands of the clock face below.

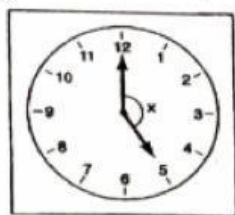
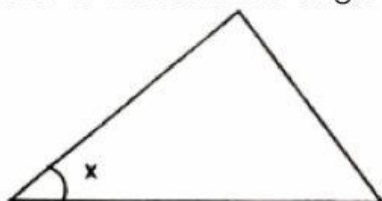


Figure 12

13. Use a protractor to measure the angle x in Figure 13.

Figure 13



14. Using your protractor, measure the obtuse angle PQR.

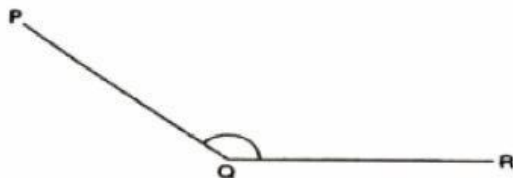


Figure 14

15. Find $\angle x$ in the triangle in Figure 15.

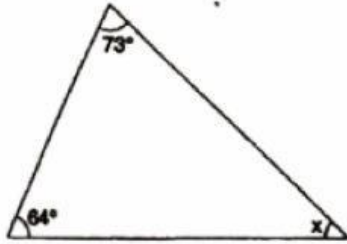


Figure 15

16. Calculate angle y in triangle XYZ in Figure 16.

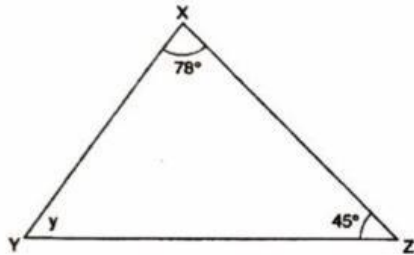


Figure 16

17. In the triangle ABC below, calculate $\angle ABC$, if $\angle CAB = 45^\circ$ and $\angle ABC = 54^\circ$.

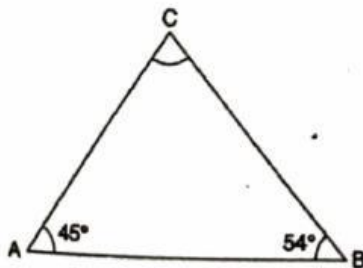


Figure 17

18. What is the value of x in Figure 18?

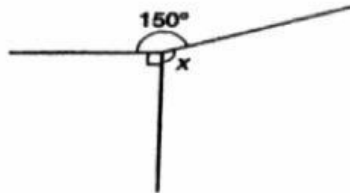


Figure 18

19. Find the angle ABC below.

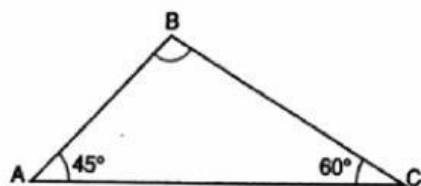


Figure 19

20. Find the value of angle c in Figure 20.

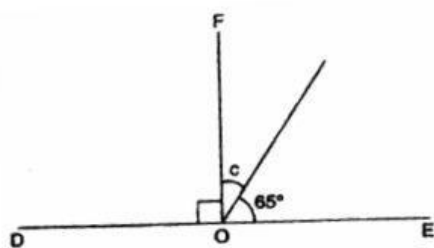


Figure 20

21. Calculate the angle y in Figure 21.

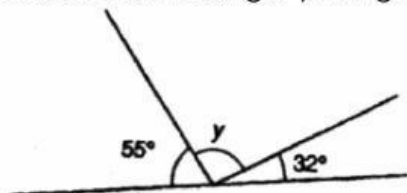


Figure 21

22. What is the size of angle b in Figure 22.

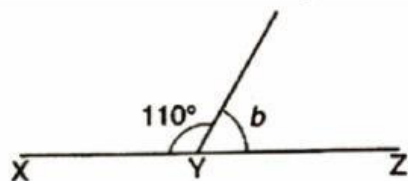


Figure 22

23. In Figure 23, PQR is a straight line and SQ is perpendicular to QT. calculate angle a.

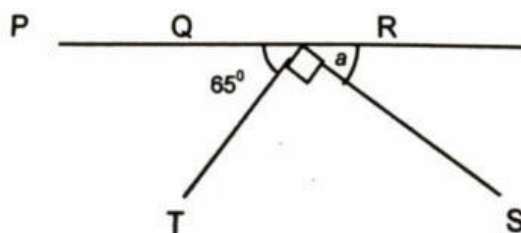


Figure 23

24. Using your ruler and protractor, draw an angle $ABC = 125^\circ$.

25. Using ruler and protractor, draw an angle of 75° . Mark the angle.

26. Using ruler and protractor, draw an angle of 60° . Mark the angle.

27. Complete the following shape in Figure 24.

