CLASS -6 MATHS

SECTION -A 1×20 =20

1. Number of diameters that can be drawn in the circle.

a) one b) two c) many d) three

2. The opposite edges of a rectangle are

a) parallel b) perpendicular c) intersecting d) none

3. A triangle can have _____ exterior angles.

4. What is data?

5. The minute hand turns through _____ degree from the digit 2 to 11 on a clock.

6. Solve 17x = --85 .

7. If the length of a rectangle is doubled keeping the breadth same , then its area is

a) halved b) double c) same d) 3 times

8. Equilateral triangle has all of its three sides equal in length True /flase

9. Represent the following data into tally mark

a) 12 b) 25

10. The power of variable in a linear equation is _____

11. One straight angle = _____ right angle.

12. Find the area of a square whose one side is 18 cm.

13. What is the symbol of parallel lines?

14. Find the diameter of a circle whose radius is 6.4 cm

15. We get a angle of measure 11.25 by bisecting the angle.

a) 45° b) 22° c) 40 ° d) 22.5°

16. If z = -9 , find the value of 2z/3 + 6

17. What percent is 1/2 dozen of one score ?

18. Subtract 3x + 2Y --5 xy from 0

19. The angle that can't be constructed using rular and compass is

a) 30 b) 45 c) 75 d) 70

20 . What percent is 200cm of one score.

SECTION - B 2×6= 12

21. Add using horizontal method.

3pq + 2pr - 4qr ; -pq +2qr +pr and 4pq -3pr +2qr

22. Convert into linear equation

a) Twice a number subtracted from 13 is 5 .

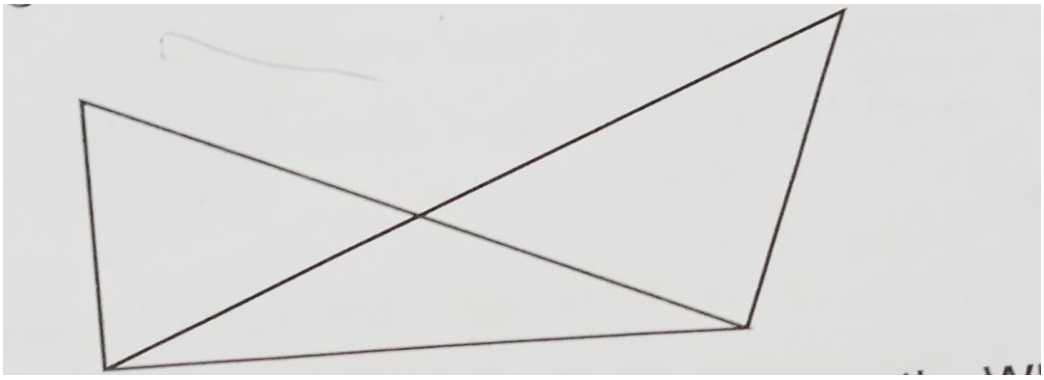
b) one-ninth of a number added to one is 11.

23. Draw the following using scale and pencil only also name them.

a) one pair of supplementry non - adjacent angle.

b) one pair of complementry adjacent angle.

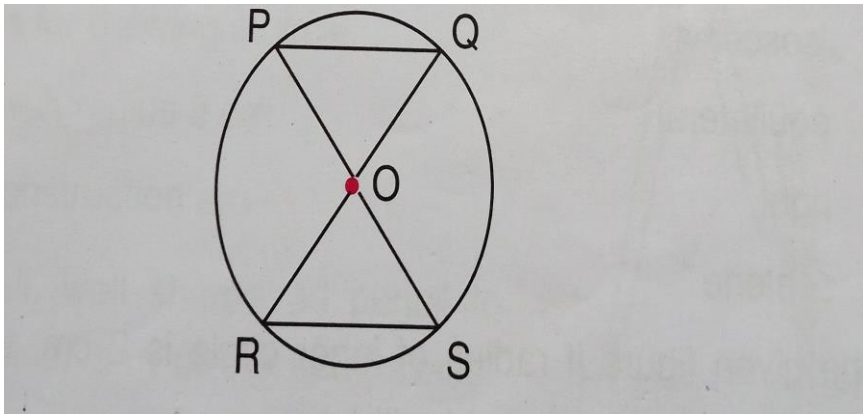
24. Answer the following question



a) How many triangles are there in the given figure.

b) Is it possible to construct a triangle with line segment of length 5cm, 7cm and 12cm why?

25. In the following figure O is the centre of the circle with OP =4cm . Find OR



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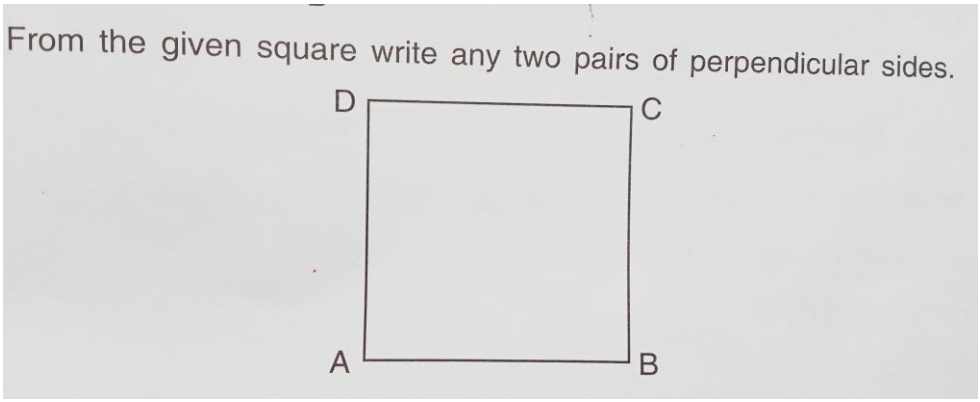


SECTION -C 3×6 =18

27. Substract the sum of 2a+ 3b , a-2b +c , -a+2c and 4a +2b -5 from 6a -4b +8 .

28. Solve and check

3(x- 3) =15

29. How many degrees are there.

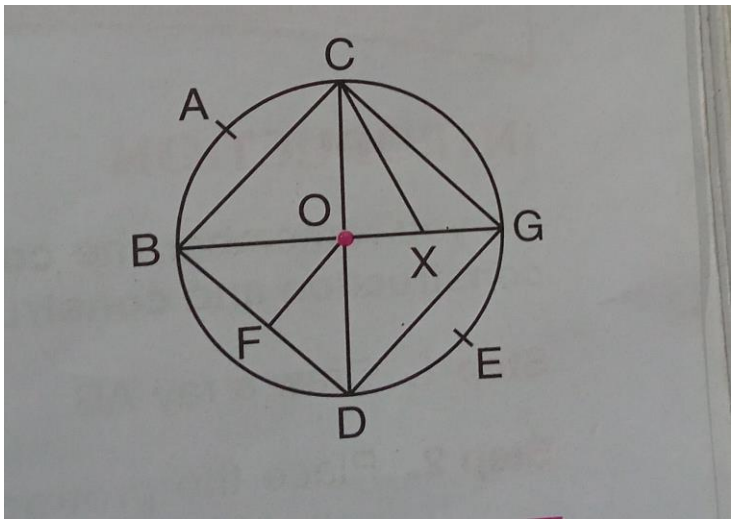
a) 2/3 right angle?

b) 5/6 straight angle?

C) 2/15 complete angle?

30. Draw an1 angle of 45° using my rular and compass.

31. Look at the circle carefully and answer the question.

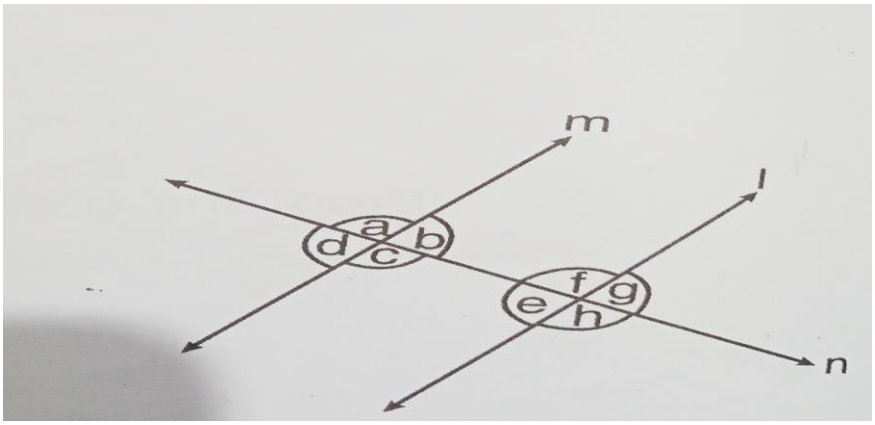


a) Name two diameter.

b) Name one semi -circle

c) Is CX a chord?

32. Look at the figure and name it



a) angle alternate to angle a

b) angle correspnding to angle c

C) angle alternate to angle d

SECTION -D 5×6 = 30

33. John bought 100 eggs for ₹ 40 out of these, four eggs were found to be broken and he sold the remaining eggs at the rate of ₹7.50 per dozen . Find his gain or loss percent

34. Find the conplement of the supplement of twice of an angle of 60.

35 .

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2. The following table shows the circulation of newspapers in six languages. Prepare a bar graph with a suitable scale.

Language	English	Hindi	Punjabi	Tamil	Urdu	Bengali
Number of Newspapers	1400	1600	400	800	200	600

36. A square tile is having sides of length 15cm . How many such tiles would be required to covet the square floor of a bathroom of side 3m.

37. Draw a line m from a point X outside the line construct a perpendicular to line m using compass and rular.

38 .

Compute the value of x, in the following figure.