EXAM Grace Academy

PRACTICE PAPER-01 : GEOMETRY

1. What is longest chord of a circle?

   (a) Arc (b) Diameter

   (c) Radius (d) None of these

2. The supplementary angle of 70^0 will?

   (a) 110^0 (b) 20^0

   (c) 90^0 (d) 30^0

3. If an angle of a triangle are in the ratio 2:3:4. The find the smallest angle of triangle.

   (a) 90^0 (b) 30^0

   (c) 40^0 (d) 50^0

4. Two angle of a triangle are 50^0 and 70^0 then find the third angle.

   (a) 60^0 (b) 50^0

   (c) 40^0 (d) 70^0

5. Find the value of 'x' in the given figure.

   (a) 60^0 (b) 80^0

   (c) 30^0 (d) 40^0

6. The sum of angle around a point is?

   (a) 360^0 (b) 350^0

   (c) 380^0 (d) 340^0

7. In the given figure, find the value of 'x'.

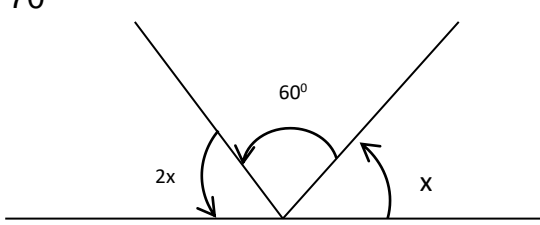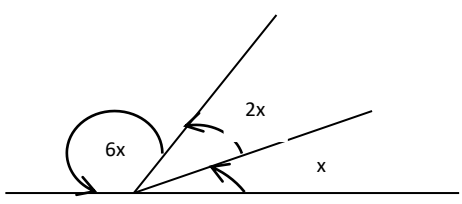   (a) 60^0 (b) 20^0

   (c) 80^0 (d) 40^0

EXAM Grace Academy

Provides free Detailed Syllabus, Video Lectures, Revision Notes, Practice Papers, Sample Papers, Last Year Question Papers with solutions, Online Mock Test for Entrance Examinations for admission in Sainik Schools, RMS, JNV, CHS, RKM, RIMC and many more
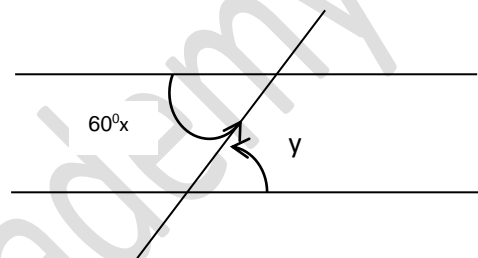
2

8. Which is true for triangle?

    (a) $45^0, 60^0, 70^0$ (b) $60^0, 70^0, 80^0$

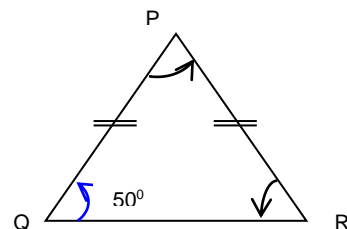   (c) $45^0, 55^0, 60^0$ (d) $50^0, 60^0, 70^0$

9. In the given figure find the value of 'y'.

    (a) 45^0 (b) 80^0

    (c) 70^0 (d) 60^0

10. In adjoining figure, PQR is a triangle and PQ=PR and LQ = 50^0. Find the other two angles.

    (a) P= 80^0, R= 50^0 (b) P= 50^0, R= 40^0

    (c) P= 70^0, R= 50^0 (d) P= 40^0, R= 40^0
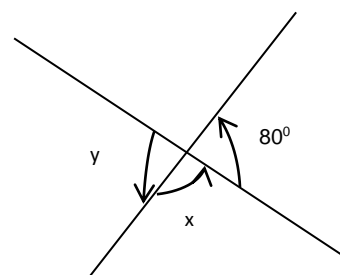
,

11. Find $90^0 < \angle A < 180^0$ then $\angle A$ = ?

    (a) Acute angle   (b) Obtuse angle

    (c) Reflex angle   (d) None of these

12. Find the value of 'x' ad 'y'.

    (a) x=100^0 and y=80^0 (b) x=70^0 and y=50^0

    (c) x=90^0 and y=70^0 (d) x=60^0 and y=80^0

EXAM Grace Academy

Provides free Detailed Syllabus, Video Lectures, Revision Notes, Practice Papers, Sample Papers, Last Year Question Papers with solutions, Online Mock Test for Entrance Examinations for admission in Sainik Schools, RMS, JNV, CHS, RKM, RIMC and many more
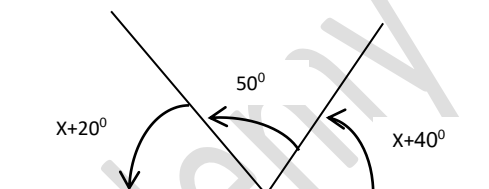
3

13. How much angle formed by the big needle of the clock in 15 minutes?

    (a) 50^0 (b) 30^0

    (c) 90^0 (d) 120^0
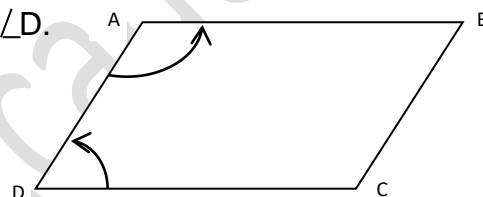
14. Find the value of 'x'.

    (a) 45^0 (b) 35^0

    (c) 60^0 (d) 20^0

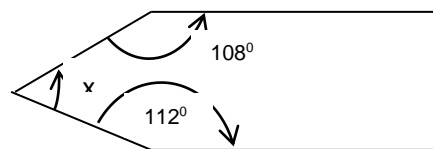
15. ABCD is a parallelogram. If $\angle A = 120^0$, then find $\angle D$.

    (a) 45^0 (b) 35^0

    (c) 60^0 (d) 20^0

16. Find the value of x, if AB ∥CD.

    (a) 140^0 (b) 135^0

    (c) 60^0 (d) 120^0

17. ABCD is a quadrilateral in which $\angle A = 42^0$, $\angle B = 54^0$ $\angle C = x^0$ and $\angle D = x + 70$ then calculate $\angle C$ and $\angle D$.

    (a) $\angle C = 87^0, \angle D = 160^0$ (b) $\angle C = 70^0, \angle D = 67^0$

    (c) $\angle C = 90^0, \angle D = 170^0$ (d) $\angle C = 97^0, \angle D = 167^0$

18. The two angles of triangle are 45^0 and 45^0. Find the third angle.

    (a) 80^0,   (b) 60^0

    (c) 90^0,   (d 40^0

EXAM Grace Academy

Provides free Detailed Syllabus, Video Lectures, Revision Notes, Practice Papers, Sample Papers, Last Year Question Papers with solutions, Online Mock Test for Entrance Examinations for admission in Sainik Schools, RMS, JNV, CHS, RKM, RIMC and many more

4

19.   Two lines intersect each other

    (a)   at a point   (b)   in a line

    (c)   at an infinite number of point   (d)   at two points

20.   An angle whose measure is 360^0

    (a) Acute angle   (b)   complete angle

    (c) Reflex angle   (d)   Right angle

==

3

ANSWER KEY :GEOMETRY
Practice Paper-01

Q. No	Ans	Q. No	Ans	Q. No	Ans	Q. No	Ans	Q. No	Ans
1.	b	2.	a	3.	c	4.	a	5.	d
6.	a	7.	b	8.	d	9.	D	10.	a
11.	b	12.	a	13.	c	14.	b	15	c
16.	a	17.	d	18.	c	19.	a	20.	b