(a) 9 cm

(b) 11 cm

(c) -, +

Q14. O is the orthocentre of \triangle ABC. Then, \angle BOC + \angle BAC is equal to

(b) +, -

Geometry

Q1. Find the distance between the points A (-4, 7) and B (2, 5).
(a) 5 (b) 6 (c) 6√5 (d) 7
Q2. An angle is one fifth of its supplement. The measure of the angle is
(a) 15° (b) 30° (c) 75° (d) 150°
Q3. An angle is 24° more than its complement. The measure of the angle is:
(a) 57° (b) 47° (c) 53° (d) 66°
Q4. An angle is 32° less than its supplement. The measure of the angle is
(a) 37° (b) 74° (c) 48° (d) 66°
Q5. Two Supplementary angles are in th ratio 3:2. The smaller angle measures:
(a) 108° (b) 81° (c) 72° (d) 66°
Q6. In the given figure, AOB is a straight line, $\angle AOC = (3x+20)^\circ$ and $\angle BOC = (4x-36)^\circ$. The value of the x is:
$(3x+20)^{0}$ $(4x-36)^{0}$
(3x120) (4x-50) b
(a) 32° (b) 22° (c) 26° (d) 24°
Q7. In the given figure , AOB is a straight line, \angle AOC = (3x-8)° and \angle COD =50 and \angle BOD° =(x+10)°. The
value of the x is:
(a) 32° (b) 42° (c) 36° (d) 52°
Q8. Two poles of heights 6m and 11m stand vertically on a plane ground. If the distance between their feet is 12m, what is the distance between their tops?
(a) 13 m (b) 14 m (c) 15 m (d) 12.8 m
Q9. The radius of a circle is 13cm and AB is a chord which is at a distance of 12cm from the center. The
length of the ladder is:
(a) 35 cm (b) 17.5 cm (c) 25 cm (d) 10 cm
Q10. The lengths of the diagonals of a rhombus are 24cm and 18cm respectively. The length of each side of
the rhombus is
(a) 12 cm (b) 9 cm (c) 15 cm (d) 8 cm
Q11. The lengths of the diagonals of a rhombus are 24cm and 18cm respectively. The length of each side of
the rhombus is
(a) 12 cm (b) 9 cm (c) 15 cm (d) 8 cm
Q12. AB and CD are two parallel chords of a circle of radius 13 cm such that AB = 10 cm and CD = 24 cm.
Find the distance between the chords keeping in mind that both the chords are on the same side.

(d) -, -

(c) 7 cm

Q13. Signs of the abscissa and ordinate of a point in the second quadrant are respectively

(d) None of these





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(a) 90°	(b) 120°	(c) 135°	(d) 180°				
Q15. The sum of	three altitudes of a	triangle is					
(a) Equal to the s	um of three sides	(b) Less than th	e sum of sides				
(c) Greater than t	he sum of sides	(d) Twice the su	um of sides				
Q16. The equidis	tant point from the	vertices of a triangle	e is called its				
(a) Centroid	(b) Incentre	(c) Circumcentre	(d) Orthocentre				
Q17. ∆ABC is a rigis:	ght angled triangle v	with AB = 6 cm, AC =	8 cm, \angle BAC = 90°. Then, the radius of the	incircle			
(a) 2 cm	(b) 3 cm	(c) 4 cm	(d) 6 cm				
Q18. If the media	in drawn on the bas	e of a triangle is half	f its base, then the triangle will be				
(a) Right-angled	(b) Acute-angled	(c) Obtuse-angle	d (d) Equilateral				
Q19. The sum of	the internal angles o	of a regular polygon	is 1440°. The number of sides of the polygo	on is			
(a) 6	(b) 8	(c) 10	(d) 12				
Q20. The sum of	all internal angles of	f a regular polygon v	vhose one external angle is 20° is				
(a) 1080°	(b) 2880°	(c) 3460°	(d) 4460°				
Q21. ABC is a tria = 130°, then the	_	AB, BC and CA are pr	oduced to E, F and G respectively. If \angle CBE	= ∠ACF			
(a) 80°	(b) 90°	(c) 100°	(d) 130°				
	and T are points on some the second the seco		pectively such that \angle PQR = \angle PST. If PT = 5 (cm, PS =			
(a) 5 cm	(b) 6 cm	(c) 31/3 cm	(d) 41/3 cm				
Q23. In a right an	gled triangle, the ci	rcumcentre of the tr	iangle lies				
(a) Inside the tria	ngle (b) Outside	the triangle (c) Or	n midpoint of the hypotenuse (d) On one	vertex			
Q24. If ABC is an	equilateral triangle	and P, Q, R respectiv	vely denote the middle points of AB, BC, CA	then			
(a) PQ + QR + PR	= AB Geometry	(b)	(b) $PQ + QR + PR = 2AB$				
(c) PQR must be a	an equilateral triang	le (d)	(d) PQR must be a right angled triangle				





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Answer key

1	С	6	В	11	В	16	С	21	С
2	В	7	Α	12	С	17	Α	22	С
3	Α	8	Α	13	С	18	Α	23	С
4	В	9	D	14	D	19	С	24	С
5	С	10	С	15	В	20	В		