Polygon Worksheet – 2

False.	npie closed curve made up entirely of line segments	s is calle	d as triangle. Mark True /		
a)	True	b)	False		
2. 6-sided polygon is known as hexagon. Mark True / False.					
a)	True	b)	False		
3. 10-sided polygon is known as decagon. Mark True / False.					
a)	True	b)	False		
4. Sum of all interior angles of a polygon is equal to 180°. Mark True / False.					
a)	True	b)	False		
5. Sum of all exterior angles of a polygon is equal to 360°. Mark True / False.					
a)	True	b)	False		
6. The curves which have same beginning, and end points is known as open curves. Mark True / False.					
a)	True	b)	False		
7. A polygon in which at least one interior angle is greater than 180° is called as convex polygon. Mark True / False.					
a)	True	b)	False		
8. Sum of measures of all interior angles of a hexagon is 720°. Mark True / False.					
a)	True	b)	False		
9. Sum of interior angles and its corresponding exterior angles is equal to 270°. Mark True / False.					
a)	True	b)	False		
10. A square can be a regular polygon. Mark True / False.					
a)	True	b)	False		
11. The sum of interior angles of a polygon is equal to 5400° . Find out the number of sides this polygon has.					
a)	30	b)	28		
c)	32	d)	36		
12. How many sides a regular polygon has if each interior angle is equal to 150°?					

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a)	7	b)	10		
c)	8	d)	12		
13. Find the number of sides of a regular polygon whose each exterior angle is equal to 18°.					
a)	10	b)	15		
c)	18	d)	20		
14. If the exterior angles of a polygon are in the ratio of $1:2:3:4:5$, then find the largest interior angle.					
a)	148°	b)	156°		
c)	254°	d)	150°		
15. Find the interior angles of a regular hexagon?					
a)	120°	b)	135°		
c)	145°	d)	155°		
16. If all the angles of a 12-sided polygon are equal then find the measure of each angle.					
a)	120°	b)	135°		
c)	145°	d)	150°		
17. Fin	d the sum of exterior angles of a polygon having 120	o sides.			
a)	370°	b)	345°		
c)	360°	d)	365°		
18. In a pentagon, two angles are 30° and 50° , and rest angles are in the ratio of $2:3:5$. Find the largest angle of the pentagon.					
a)	320°	b)	230°		
c)	150°	d)	160°		
19. Two angles of a polygon are right angles and remaining angles are 120° . Find the number of sides of the polygon.					
a)	7	b)	4		
c)	8	d)	5		
20. The sum of interior angles of a regular polygon is twice the sum of its exterior angles. Find the number of sides of the polygon.					
a)	7	b)	6		
c)	8	d)	5		

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