Lines & Angles Worksheet – 2

True / False.			
a)	True	b)	False
2. If two lines intersect each other then, the vertically opposite angles are equal. Mark True / False.			
a)	True	b)	False
3. The sum of all angles formed on the same side of a line at a given point on the line is 120° Mark True / False.			
a)	True	b)	False
4. The sum of angles around a point is 380°. Mark True / False.			
a)	True	b)	False
5. Two obtuse angles can be supplementary of each other. Mark True / False.			
a)	True	b)	False
6. Distance between two parallel lines remain the same everywhere. Mark True / False.			
a)	True	b)	False
7. Two parallel lines intersect at infinite point. Mark True / False.			
a)	True	b)	False
8. One of the angles forming a linear is a right angle. What will be the other angle?			
a)	Obtuse	b)	Acute
c)	Right Angle	d)	None of these
9. One of the angles forming a linear pair is an acute angle. What will be the other angle?			
a)	Obtuse	b)	Acute
c)	Right Angle	d)	None of these
10. The sum of an angle and one third of its supplementary angle is 90° . What is the measure of the angle?			
a)	120°	b)	60°
c)	135°	d)	45°
11. An angle is thrice of it's supplement, what is the measure of the angle?			
a)	120°	b)	60°

c) 135°

- d) 45°
- 12. Two complementary angles are in the ratio 2 : 3. What is the measure of the small angle?
- a) 36°

b) 60°

c) 46°

- d) 45°
- 13. The sum of an angle and half of it's complimentary angle is 75°. Find the measure of the angle.
- a) 120°

b) 60°

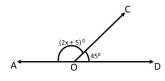
c) 135°

- d) 45°
- 14. Two supplementary angles are in 2 : 7 ratio, find the larger angle.
- a) 120°

b) 60°

c) 140°

- d) 40°
- 15. Find the value of 'x' in the below given diagram.

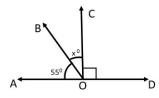


a) 36°

b) 60°

c) 46°

- d) 65°
- 16. Find the value of 'p' in the below given diagram.

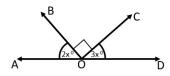


a) 35°

b) 60°

c) 46°

- d) 65°
- 17. If \angle AOD is 180°, then find the values of 'x'.



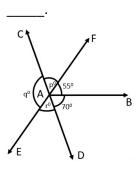
a) 36°

b) 18°

c) 46°

d) 54°

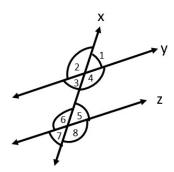
18. In the below mentioned diagram if AB, CD and EF are straight lines, then p + q + r =



- a) 120°
- c) 235°

- b) 160°
- d) 240°

19. Which option is true for the below diagram.



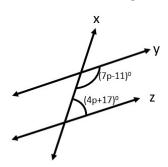
- a) $\angle 1 = \angle 8 \& \angle 2 = \angle 7$
 - /

b) $\angle 6 = \angle 7 \& \angle 5 = \angle 8$

c) $\angle 3 = \angle 6 \& \angle 4 = \angle 5$

d) $\angle 2 = \angle 6 \& \angle 1 = \angle 5$

20. In the below diagram find the value of 'p'.



a) 16°

b)

c) 26°

d) 14°

18°