1. Which is not false for Line?
2. Finite length.
3. Extend in one end.
4. **Infinite length.**
5. None of the above

Explanation : Answer is given in Module (6-1) from 8 minutes.

2. Angle means -

a) two rays extending from the same point.

b ) circular arc to annotate.

c) full rotation = 360 degrees.

**d) All of the above**

Explanation : Answer is given in Module (6-2) from 3 minutes.

3. If the angle is greater than 90 degree , then we call it -

a)Acute angle.

**b)Obtuse angle.**

c)Right angle.

d)None of the above.

Explanation : Answer is given in Module (6-2) from 5 minutes

4. What is the area of a triangle?

a) base × height

**b) ½ × base × height**

c) ⅓ × base × height

d) ¼ × base × height

Explanation : Area of triangle = ½ × base × height .

5. Which one is a geometric series?

**a)10+30+90+270+...**.

b)2+6+24+54+..

c)10+20+30+40+...

d)None of the above

Explanation : In option a we can see that the ratio of the (current term/previous term)=3 always.So we can say that option a is the geometric series.

6. What is the formula of the sum of first n natural numbers?

a) (n × (n-1)) /2

b) (n + (n+1)) /2

**c) (n × (n+1)) /2**

d) (n - (n-1)) /2

Explanation : Simply google it. Or check module (6-7).

7. Which one is an arithmetic series?

a)10+30+90+270+....

b)2+6+24+54+..

**c)10+20+30+40+...**

d)None of the above

Explanation : In option a we can see that the difference of the (current term-previous term)=10 always.So we can say that option c is the arithmetic series.

8. Perpendicular lines means -

1. angle between two lines is 360 degree.
2. angle between two lines is 0 degree.
3. angle between two lines is 180 degree.
4. **angle between two lines is 90 degree.**

Explanation : Simply Google it. Or check Module(6-3)

9. Sum of first n terms formula of arithmetic series -

1. **n/2 [2a + (n – 1)×d]**
2. n+2 [2a + (n – 1)×d]
3. n/2 [2a - (n + 1)×d]
4. n/2 [2a + (n + 1)×d]

Explanation - Simply google it. Or check Module(6-8)

10. What is the sum of first 50 terms of this series (2+5+8+......)

**a) 3775**

b) 3776

c)15050

d)10200

Explanation - Simply use the sum of first n terms formula ( n/2 [2a + (n – 1)×d] ) . Where a=2,d,=3,n=50.