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The image displays ten horizontal lines, each with a specific dot pattern. The first line features three dots: two on the left side, one in the center, and one on the right side. The second line has four dots. The third line has four dots. The fourth line has four dots. The fifth line has four dots. The sixth line has four dots. The seventh line has two pairs of dots. The eighth line has two pairs of dots. The ninth line is empty. The tenth line is empty.

21

The point (0,17) lies on the

- positive direction of x - axis negative direction of x - axis
 positive direction of y - axis negative direction of y - axis

22

In which quadrant can a point have abscissa equal to its ordinate ?

- First and second quadrants second and third quadrants
 third and fourth quadrants first and third quadrants

23

In which quadrant can a point have ordinate equal in magnitude to abscissa ?

- second third fourth all the quadrants

24

In which quadrant can a point have ordinate opposite of abscissa ?

- first and third quadrants second and fourth quadrants
 second and third quadrants first and fourth quadrants

25

The mathematician who developed co-ordinate geometry is

- Gauss Pythagoras Rene Descartes Schwartz

26

The axes divides the plane into four parts which are called

- quadrants origin parts axes

27

The distance of a point from x - axis is called

- abscissa ordinate origin none of the above

28

The distance of a point from y - axis is called

- abscissa ordinate origin none of the above

29

The perpendicular distance of the point (2,3) from x - axis is

- 2 units 5 units 1 unit 3 units

30

The perpendicular distance of the point (7,9) from y - axis is

- 2 units 9 units 16 units 7 units

31

The equation of x - axis is

- $x = 0$ $y = 0$ $x = a$ $y = a$

32

The equation of y - axis is

- $x = 0$ $y = 0$ $x = a$ $y = a$

33

The line $y = 0$ represents

- origin y - axis x - axis quadrant

34

The line $x = 0$ represents

- quadrant origin x - axis y - axis

35

The line $y = 4$ is parallel to

- x - axis y - axis origin Can't be determined

36

The line $x = -5$ is parallel to

- x - axis y - axis origin Can't be determined

37

How many points are required to locate a line segment ?

- zero one two none

38

In which quadrant do the following points lie ?

abscissa = -3 , ordinate = -3

- First quadrant Second quadrant Third quadrant Fourth quadrant

39

In which quadrant do the following points lie ?

abscissa = 9 , ordinate = -3

- First quadrant Second quadrant Third quadrant Fourth quadrant

40

In which quadrant does the point (5,8) lie ?

- First quadrant Second quadrant Third quadrant Fourth quadrant

41

In which quadrant does the point (-6,4) lie ?

- First quadrant Second quadrant Third quadrant Fourth quadrant

42

Which among the following points lies in the first quadrant ?

- (-3, -5) (4, 7) (-5, 5) (0, -8)

43

Which point among the following lie in second quadrant ?

- (3,5) (-3,-5) (3,-5) (-3,5)

44

Which point among the following lie in the third quadrant ?

- (0,-4) (4,0) (-4,-4) (4,4)

45

Which point among the following lie in the fourth quadrant ?

- ordinate = 7 , abscissa = 6 ordinate = 7 , abscissa = -6
 ordinate = -7 , abscissa = -6 ordinate = -7 , abscissa = 6

46

Abcissa of all points on the y - axis is

- 0 1 -1 any number

47

Ordinate of all the points on the y - axis is

- 0 1 -1 any number

48

Ordinate of a point is positive in

- first and third quadrants first and second quadrants second and third quadrants
 third and fourth quadrants

49

Abcissa of a point is negative in

- first and second quadrants third and fourth quadrants
 second and third quadrants first and fourth quadrants

50

Ordinate of a point is negative in

- second and third quadrants third and fourth quadrants
 first and second quadrants second and fourth quadrants

51

If the coordinates of two points are $A(5, 7)$ and $B(4, 4)$ then ,
(ordinate of A) + (ordinate of B) is

- 11 9 12 8

52

Which point among the following lie on $x - axis$?

- (10,0) (-10,0) Both A and B None of the above

53

Which point among the following lie on $y - axis$?

- (1, 0) (-6, 0) (0, -6) (-6, -6)

54

The perpendicular distance of the point (6,4) from the $x - axis$ is

- 6 4 5 7

55

The point $(\frac{-1}{4}, 0)$ lies on the

- positive direction of $x - axis$ positive direction of $y - axis$
 negative direction of $x - axis$ negative direction of $y - axis$

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