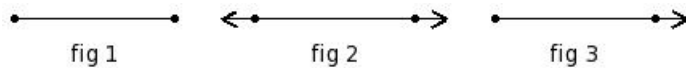# EduSahara™ Learning Center Assignment

Grade : Class VI, SSC
Chapter : Measures of Lines and Angles
Name : Line Concepts
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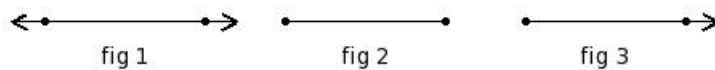
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1. Which of the following figures represent a line?

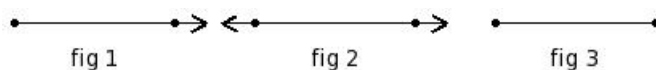   (i) fig 1 (ii) fig 3 (iii) fig 2

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2. Which of the following figures represent a ray?

   (i) fig 1 (ii) fig 2 (iii) fig 3

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3. Which of the following figures represent a line segment?

   (i) fig 3 (ii) fig 2 (iii) fig 1

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4. Points lying on the same line are called

   (i) collinear points   (ii) semi-linear points (iii) linear points

   (iv) concurrent points (v) non-linear points

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5. Multiple lines drawn on a plane are called

   (i) coplanar lines   (ii) intersecting lines   (iii) parallel lines

   (iv) concurrent lines (v) perpendicular lines

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6. Multiple lines which do not meet each other are called

   (i) perpendicular lines (ii) parallel lines   (iii) concurrent lines

   (iv) coplanar lines   (v) intersecting lines

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7. Multiple lines which pass through the same point are called

   (i) concurrent lines (ii) parallel lines   (iii) intersecting lines

   (iv) coplanar lines   (v) perpendicular lines

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8. A line that intersects two lines at two different points is called

(i) concurrent lines (ii) transversal (iii) coplanar lines

(iv) perpendicular lines (v) parallel lines

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9. Two lines meeting at a point and making an angle of 90°

at the meeting point are called

(i) coplanar lines (ii) parallel lines (iii) perpendicular lines

(iv) concurrent lines (v) intersecting lines

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10. The representation $\overleftrightarrow{KL}$ indicates

(i) ray (ii) line (iii) line segment (iv) angle (v) arc

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11. The representation $\overline{JK}$ indicates

(i) ray (ii) line segment (iii) angle (iv) arc (v) line

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12. The representation $\overrightarrow{BC}$ indicates

(i) arc (ii) ray (iii) line segment (iv) line (v) angle

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13. The following lines represent

(i) parallel lines (ii) concurrent lines (iii) perpendicular lines
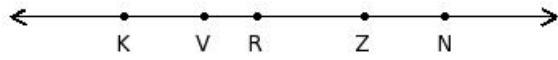
(iv) intersecting lines (v) coplanar lines

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14. Consider the following figure $\overleftrightarrow{KN}$.

State which of the following statements are true?

a) K , V , R , N , Z are points on the line $\overleftrightarrow{KN}$

b) K , N are end points of line segment $\overline{VZ}$

c) K , N are end points of line $\overleftrightarrow{KN}$

d) R , Z are end points of line segment $\overline{ZK}$

e) K , N are points on the line segment $\overline{VZ}$

(i) {d,c,a} (ii) {d,c} (iii) {a,c} (iv) {e,b,a} (v) {b,a}

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15. In the figure below, if AB = 12.20 cm and BC = 6.50 cm ,find AC = ?
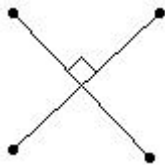

(i) 20.70 cm (ii) 19.70 cm (iii) 17.70 cm (iv) 16.70 cm (v) 18.70 cm

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16. The following lines represent

(i)   concurrent lines (ii) coplanar lines   (iii) perpendicular lines
(iv) parallel lines   (v) intersecting lines

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17. The following lines represent

(i)   concurrent lines (ii) intersecting lines   (iii) coplanar lines
(iv) parallel lines   (v) perpendicular lines

Assignment Key

1) (iii)
2) (iii)
3) (i)
4) (i)
5) (i)
6) (ii)
7) (i)
8) (ii)
9) (iii)
10) (ii)
11) (ii)
12) (ii)
13) (iv)
14) (iii)
15) (v)
16) (iv)
17) (v)