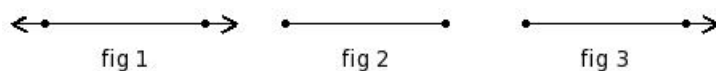


**EduSahara™ Learning Center Assignment**

**Grade** : Class VII, ICSE  
**Chapter** : Fundamental Geometrical Concepts  
**Name** : Fundamental Geometrical Concepts  
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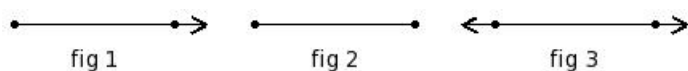
1. Which of the following figures represent a line?



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

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2. Which of the following figures represent a ray?



(i) fig 2 (ii) fig 1 (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) non-linear points (ii) concurrent points (iii) linear points  
(iv) semi-linear points (v) collinear points
- 

5. Identify the figure below



(i) nonagon (ii) line (iii) quadrilateral (iv) hexagon (v) pentagon

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6. Multiple lines drawn on a plane are called

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

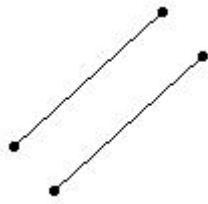
7. Multiple lines which do not meet each other are called

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

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

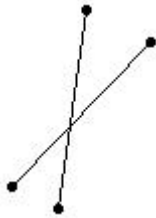
- (i) intersecting lines (ii) parallel lines (iii) perpendicular lines  
(iv) coplanar lines (v) concurrent lines

9. The following lines represent



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

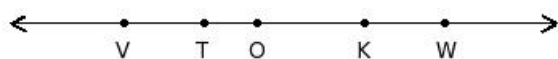
10. The following lines represent



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

11. Consider the following figure  $\overleftrightarrow{VW}$ .  
State which of the following statements are true?

- a) V, W are end points of line segment  $\overline{TK}$   
b) O, K are end points of line segment  $\overline{KV}$   
c) V, W are end points of line  $\overleftrightarrow{VW}$   
d) V, W are points on the line segment  $\overline{TK}$   
e) V, T, O, W, K are points on the line  $\overleftrightarrow{VW}$



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

12. The representation  $\overleftrightarrow{AB}$  indicates

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

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13. The representation  $\overline{BC}$  indicates

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

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

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

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15. Which of the following are true?

- a) The length of a line segment cannot be determined
  - b) Capital letters are used to represent points
  - c) A line has an infinite number of points on it
  - d) Small letters are used to represent lines
  - e) A ray has an infinite number of points on it
- (i) {a,c} (ii) {a,d} (iii) {a,e,b} (iv) {a,b} (v) {b,c,d,e}
- 

16. Which of the following are true?

- a) Only one straight line can be drawn between any two points
  - b) A straight line meets another straight line at atmost one point
  - c) If a line cuts another line at more than one point, then one of the line is curved
  - d) If two lines have no common point, then the lines are parallel
  - e) If two lines have infinite common points, then the two lines are concurrent
- (i) {e,a} (ii) {e,b} (iii) {a,b,c,d} (iv) {e,d,a} (v) {e,c}
-

## Assignment Key

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