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Class :- 06(Maths)

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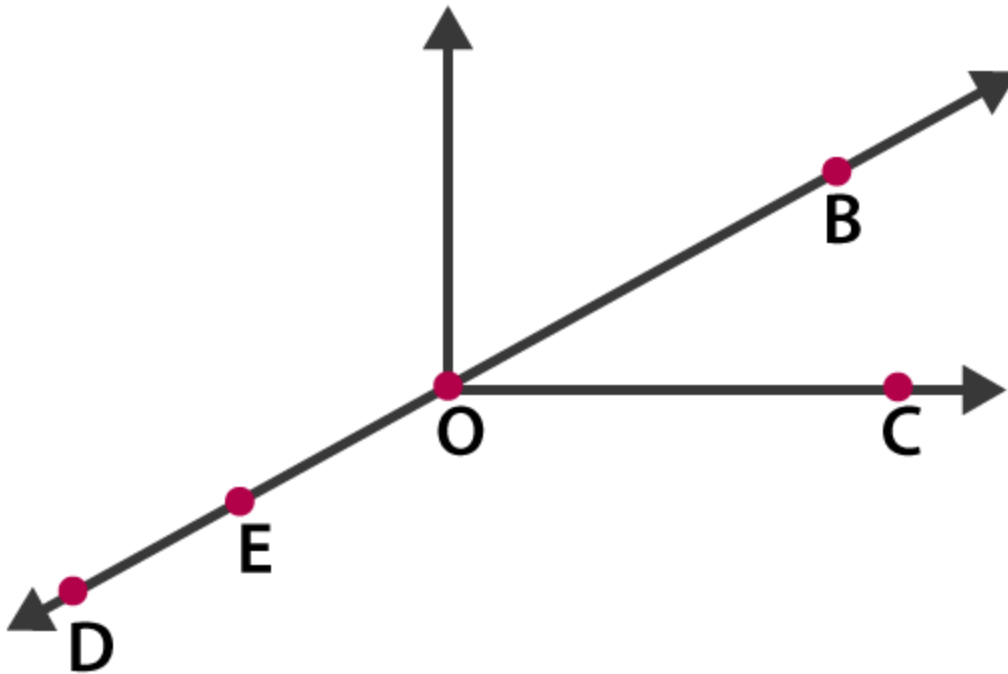
1. Use the figure to name:

(a) Five points

(b) A line

(c) Four rays

(d) Five line segments



Solutions:

(a) The five points are D, E, O, B and C

(b) A line is \overleftrightarrow{BD}

(c) Four rays are \overrightarrow{OD} , \overrightarrow{OB} , \overrightarrow{OC} and \overrightarrow{OE} .

(d) Five line segments are \overline{DE} , \overline{EO} , \overline{OB} , \overline{OC} and \overline{BE}

2. Name the line given in all possible (twelve) ways, choosing only two letters at a time from the four given.

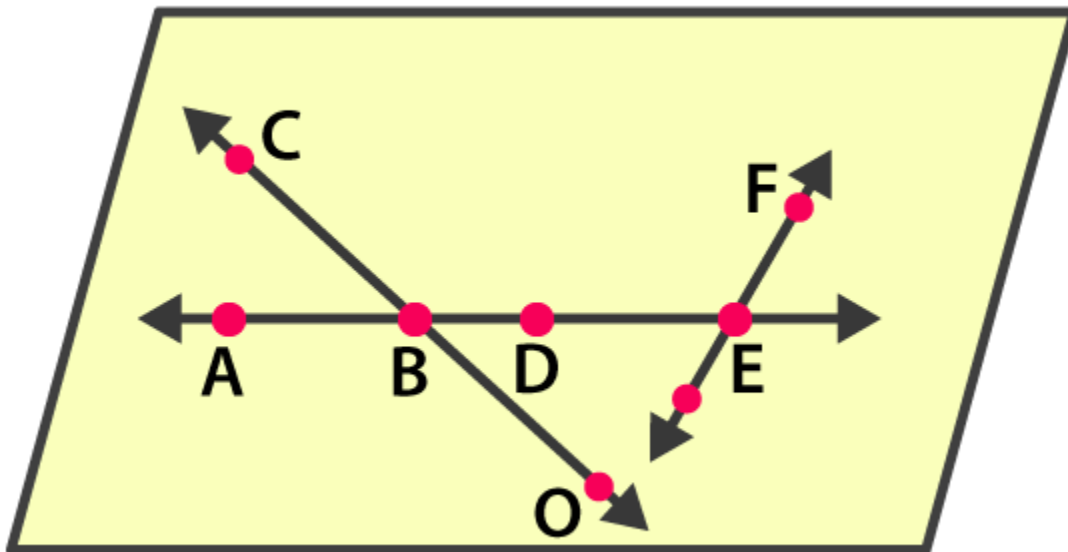


Solutions:

The lines are \overleftrightarrow{AB} , \overleftrightarrow{AC} , \overleftrightarrow{AD} , \overleftrightarrow{BA} , \overleftrightarrow{BC} , \overleftrightarrow{BD} , \overleftrightarrow{CA} , \overleftrightarrow{CB} , \overleftrightarrow{CD} , \overleftrightarrow{DA} , \overleftrightarrow{DB} , \overleftrightarrow{DC}

3. Use the figure to name:

- (a) Line containing point E.
- (b) Line passing through A.
- (c) Line on which O lies
- (d) Two pairs of intersecting lines.



Solutions:

- (a) Line containing point E is \overleftrightarrow{AE}
- (b) Line passing through A is \overleftrightarrow{AE}
- (c) Line on which O lies is \overleftrightarrow{OC}

(d) Two pairs of intersecting lines are \overleftrightarrow{CO} , \overleftrightarrow{AE} and \overleftrightarrow{AE} , \overleftrightarrow{EF}

4. How many lines can pass through (a) one given point? (b) two given points?