

RD SHARMA

Solutions

Class 6 Maths

Chapter 10

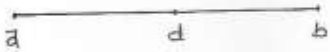
Ex 10.1

Solution-01:- Here, Three points are A, B and C.



2.

Solution-02:-



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Solution-03:-



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Solution-04:-

(i) points :- i) indicating places like Hyderabad
Things Bus
Persons.

(ii) portion of a line:-

(i) circular rod bundles

(ii) Handfingers. (iii) ^{Tea} Vessel

(iii) plane surfaces

(i) Room Floor (ii) Billiards game court

(iv) portion of a plane (iii) Bed

cone

(v) curved surfaces.

(i) Bowl

(ii) Road

(iii) Ball.

5.

Solution-05:-

(i) Yes

(ii) No

(iii) Yes.

Solution-06:-

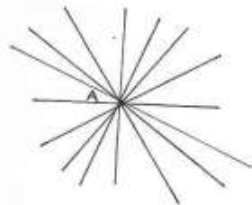
No

→ A line on the surface of a sphere which lies wholly on it.

7.

Solution-07:-

Infinitely many number of lines can pass through the point.



Solution-08:-



only one line pass through the points P and Q.

9.

Solution-09

Example of a horizontal plane → A Mat lying on

vertical plane → a floor

A Man standing in front of a
vertical plane

10.

Solution-10:

- Infinitely many ^{Lines can pass through a collinear} points can
- Only one Line can pass through two collinear points.
- one Line can pass through three collinear points.

11.

Solution-11:-

Yes it ever possible for exactly one Line pas through three points.

13.

Solution-13:-



Three non-collinear points are A, B and C.

Three Lines

- AB;
- BC;
- CA.

Solution-14:

- i) Yes
- ii) No.

15.

Solution-15:-

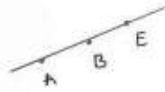
(i) collinear D, A and C.



(ii) Non-collinear



(iii) Collinear A, B and E



(iv) Non-collinear B, C and E



Solution-16:-

Yes, The Lines P, Q, R are coplanar

17.

Solution-17:-

1. Intersecting Lines:-

- 1) window
- 2) Four way junctions

2. Parallel Lines

- 1) Railway track
- 2) Chair hands

18.

Solution-18:-

(i) L, m; m, n; L, n

(ii) L, P; m, P; n, P; L, r; m, r; n, r; P, r; L, q; m, q; n, q;
q, P; q, r.

(iii) m, P

(iv) L, r

(v) m, r

(vi) L, q

(vii) G, A, B, C;

D, E, J, F;

G, H, I, J, K;

A, H, D;

B, I, E; F, C, K

19.

Solution-19:-

(i) concurrent Lines:-

n, q, l .

Point of concurrence:- A.

(ii) Concurrent Lines:-

A, q, m, p .

Point of concurrence \rightarrow B.

20

Solution-20

(i) Six

(ii) AB, BC, CD, AD, BD, AC .

(iii) AC, AB, AD .

21.

Solution-21:-

Maximum number of points of intersection of
~~four~~^{Three} Lines in a plane is '3'

and minimum number '0'.

22.

Solution-22:-

\rightarrow Maximum number $\rightarrow 6$

Minimum number $\rightarrow 0$.

23.

Solution-23:-

P, q, r and s are concurrent.

24.

Solution-24:-

\rightarrow The Lines q, r and s are Not concurrent.

\rightarrow The Lines q, r and t are Not concurrent.

25.

Solution-25:-

(i) Plane

(ii) curved and plane

(iii) parallel, intersecting