

CHAPTER-11 [LINE SEGMENT AND RAY AND LINE]

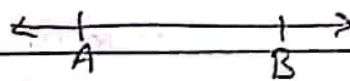
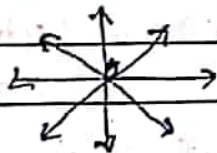
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INTRODUCTION

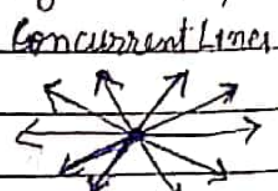
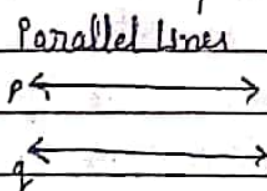
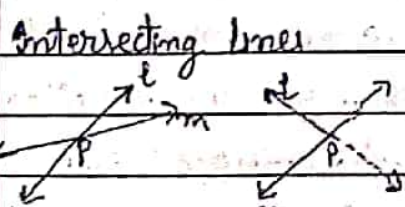
Three geometrical terms, namely point, line and plane form the foundation of geometry.

- * **Plane**: A smooth flat surface which extends endlessly in all the directions is called a plane. It has no boundary.
- * **Point**: A point is a mark of position. Its symbol is a small dot, e.g. 'A', we use a capital letter of the English alphabet for naming a point.
- * **Line Segment**: When we join any two given points in a straight way, we get a line segment, e.g. \overline{AB}
- * **Ray**: A line segment extended endlessly in one direction is called a ray, e.g. \overrightarrow{AB} and \overleftarrow{BA} are two different rays.
- * **Line**: A line segment extended endlessly on both sides is called a line. \overleftrightarrow{AB} and \overleftrightarrow{BA} are same.

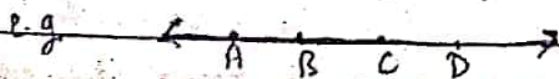


Result 1 An unlimited number of lines can be drawn passing through a given point.

Result 2 If two points are given, then exactly one line can be drawn passing through these points.



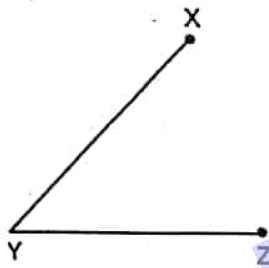
* **Collinear Points**: Three or more points in a plane are said to be collinear, if they all lie on the same line.



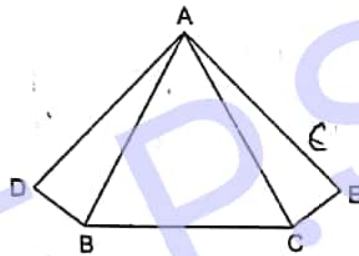
Note:- Learn and write introduction in fair note book and solve Q.1, 2 of Exercise 11A given on the next page.

EXERCISE 11A

1. Name all the line segments in each of the following figures:



(i)

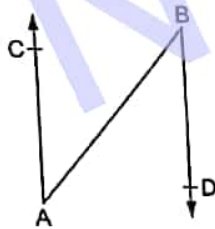


(ii)

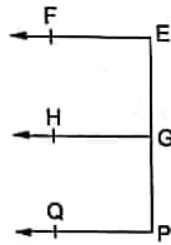


(iii)

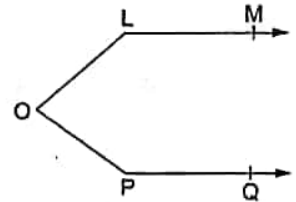
2. Identify and name the line segments and rays in each of the following figures:



(i)



(ii)



(iii)

Chapter- Body movements

Q 1 What are the functions of bicep and triceps?

Ans The movement of the arm at elbow joint is controlled by two muscles- biceps and triceps. When is arm moved up, the biceps contract and becomes shorter, and triceps expands this is called flexing of arm. When the arm is straightened or extended, the triceps contract while the biceps expands.

Q 2 List two adaptations in birds which helps them to fly.

Ans (1) Birds fly in the air by spreading their wing. They use their chest muscles to flap their wings.

(2) The body of birds is streamline and suitable for flying. Their bones are hollow and light in weight. The bony part of the forelimb are modified as wings.

Learn and write in fair notebook.

English H.W

L & W IN F.N.B

Lesson - 4

How Goldooskap Made the Birds

Word	Synonym	Meanings
Tumble	- shake	= धक्का देना
Rage	- violent anger	= हिंसक क्रोध
Remorselessly	- heartless	= क्रूरता से
devoured	- ate something	= लालच से भोजन करना
	- quickly	=
Fury	- extreme anger	= गुस्सा क्रोध
Vengeance	- revenge	= प्रतिशोध
Sturdy	- powerful	= तगड़ा
Sprung	- loop	= उधला
Thrived	- succeed, prosper	= समृद्ध होना
Boulder	- gibber stone	= गोल पत्थर



1. नीचे लिखे शब्दों में एकवचन शब्द पर () गोला लगाओ।

1. कमरे	घड़ियाँ	छात्राएँ	महिला
2. जाति	रोटियाँ	कलियाँ	धातुएँ
3. केले	कवि	कपड़े	पत्ते
4. संतरे	छाते	मित्र	ताले
5. बहन	सड़कें	बातें	मालाएँ

2. नीचे लिखे शब्दों में बहुवचन शब्द पर () गोला लगाओ।

1. लड़के	चूहा	राशि	नदी
2. टोपी	घोड़े	डाली	छाता
3. बिटिया	चिड़िया	पत्ता	आँखें
4. वस्तु	पेंसिल	टोपियाँ	बूढ़ा
5. कहानियाँ	बालक	घोड़ा	कमीज

3. वचन बदलो।

बाला	_____
सखियाँ	_____
कुरते	_____
बहू	_____
गुड़ियाँ	_____

भक्तजन	_____
मेज़	_____
मित्र	_____
छात्र	_____
कलाएँ	_____

4. नीचे लिखे शब्दों को पढ़ो तथा उनके वचन दिए गए स्थान पर लिखो।

अध्यापकगण ()	कुरता ()
लड़कियाँ ()	बेटे ()
बालक ()	वस्तुएँ ()
पेड़ ()	कलियाँ ()
पुड़िया ()	अध्यापिका ()

L&W IN F.N.B

1. How do we feel in the company of the people who are very much like us?

Ans: We feel safe and secure in the company of such people.

2. Define the term 'prejudice' with an example.

Ans: Prejudice means to judge other people negatively or see them as inferior. For example if we think that Hindi is the best language and other languages are not important, we are judging these other languages negatively.

3. How do parents often console boys when they fall and hurt themselves?

Ans. Parents say, "Boys are brave, they don't cry".

4. Mention one drawback of stereotypes.

[Imp.]

Ans: Stereotypes prevent us from doing certain things that we might otherwise be good at.