

S.N.B.P`S International School

Welcome to Grade 7



- ✚ Lets have our session with the subject – Maths
- ✚ Before we start with grade 7 syllabus lets revise the things that you have learnt so far.

Revision of Construction

SECTION – A

Q1 Multiple choice questions-

1. If XY is the perpendicular bisector of AB , then which of the following is always true?
a) $XY = AB$ b) $XY = YB$ c) $XY = AY$ d) $AY = YB$
2. If two straight lines are perpendicular to each other , then the angle formed by them is
a) 35° b) 90° c) 88° d) 45°
3. What is shape of a protractor?
a) Hexagonal b) Triangular c) Square d) Semi circular
4. Each division on a scale of a protractor represents
a) 0° b) 1° c) 90° d) 180°
5. Suppose AB is a line segment of length 12 cm and we have drawn its axis of symmetry intersecting AB at point C. What is the length of AC?
a) 6cm b) 8cm c) 12cm d) 24cm

SECTION - B

- Q2 Draw a line segment of length 8 cm using a compass and a ruler.
- Q3 Draw a line segment of length 5 cm and bisect it.
- Q4 Draw a perpendicular to a line segment of length 5 cm from a point on it at distance of 4 cm from one end.
- Q5 Draw an angle of measure 36° and bisect it.
- Q6 Draw a line segment AB such that $m AB = m PQ + m RS$, where $m PQ = 5$ cm and $m RS = 2.3$ cm.
- Q7 Draw $\angle ABC$ of measure 90° and find its line of symmetry.
- Q8 Divide a line segment of length 12.4 cm into 4 equal parts geometrically.
- Q9 Draw an angle of measure 60° and make its copy.
- Q10 Draw a circle of radius 3.5 cm Also draw a chord AB and its perpendicular bisector.
- Q11 Draw three circles of same centre and radii 1.5 cm , 2.6 cm and 4.1 cm.

SECTION – C

Q1 Draw the given angles using a protractor . Then , bisect the angle using a ruler and a compasses.

50°

70°

120°

55°

Q2 Fill in the blanks-

1. If diameter of a circle is 18cm, the radius is _____
2. The longest chord of a circle is _____
3. Number of circles passing through a given point are _____
4. Circle which have same centre but different radii are called _____ circles
5. Angles of set squares are (i) _____ 45° _____ (ii) 30° _____

Q3 Refer to the figure given below , answer the following-

1. Name any radius of the circle _____
2. Name centre of the circle _____
3. Name any segment of the circle _____
4. Name one sector of the circle _____
5. Name any point in the interior of the circle _____
6. Name any exterior point of circle _____
7. Name any point on the circle _____

