

- Construct a line segment PQ of measure 7 cm using:
 - only ruler
 - ruler and compass
- Construct lines PQ = 8 cm and RS = 5.5 cm. Construct line segments:
 - UV = PQ + RS
 - XY = PQ - RS
- Draw AB of length 12.7 cm. Choose a point P on it, such that AP = 6.1 cm. Cut off PQ from AB such that AB = 4.3 cm. Measure QB.
- Draw a line segment RS of length 3.6 cm. Construct a line XY of thrice the length of RS using a divider. Measure its length.
- Draw line segments EF of length 5.4 cm, GH of length 4.2 cm and IJ of length 2 cm. Construct a line AB of length equal to the sum of the lengths of the three segments using a compass. Measure the length of AB.
- Which angles will you combine using set squares to obtain the given angles?
 - 75°
 - 120°
 - 135°
 - 150°
- Draw any shape in which one of the angles is:
 - 30°
 - 45°
 - 90°
 - 105°Use set squares to construct each angle.
- Construct angles of the given measures using a protractor.
 - 36°
 - 142°
 - 90°
 - 167°
- Bisect an angle of measure 88° using a ruler and compass.
- Define perpendicular and parallel lines.
- Bisect a line segment GH = 12 cm using ruler and compass.
- Draw a line and mark on it a line segment PQ = 9 cm. Using set squares draw another line segment XY parallel to PQ at a distance of 5 cm from it.
- Make an angle ABC = 75°. Choose a point P on ray AB such that BP = 5 cm. Using set squares draw a line PR (passing through P) and parallel to ray BC.

14. Construct a circle with the given line as radius. Measure the radius and the diameter of the circle. Check if the diameter is twice the radius.

O _____ P

15. Bisect an angle XYZ of measure 126° . Measure each angle.
16. Construct an angle of measure 105° using a compass. R. Bisect a right angle. What is the measure of each bisected angle.