CONSTRUCTIONS

TO DIVIDE LINE SEGMENT IN A GIVEN RATIO

EXERCISE

To Divide Line Segment in a Given Ratio:

Q.1   Draw a line segment of length 7 cm and divide it in the ratio 2 : 3. Measure the two

parts.

Q.2   Draw a line segment of length 7.8 cm and divide it in the ratio 5 : 8. Measure the two

parts.

Q.3 .   Draw a line segment AB = 7 cm. Divide it externally in the ratio of

(i) 3 : 5   (ii) 5 : 3

Q.4   Draw a line segment of length 8.4 cm and divide it in the ratio 4 : 7 and measure the

two parts.

Q.5   Draw a line-segment AB of given length 10 cm and divide it in the ratio 3 : 4

internally.

Q.6   Draw a line segment of length 10 cm. Divide it in the ratio of :

(i) 8 : 5   (ii) 5 : 8

Q.7   Draw a line segment 8 cm long. Divide it internally in the ratio 3 : 4. Measure each

         part. Also write the steps of construction.