

Subject: Maths

Class: 8

Topic: Exponents and Powers

Watch video #13 and solve the following exercise:

### EXERCISE 13.3

Use Cordova Smart Class Software on the smart board in class to do Exercise.

1. Construct a quadrilateral ABCD with sides  $AB = 3.5$  cm,  $BC = 5$  cm,  $CD = 4.2$  cm,  $\angle A = 110^\circ$  and  $\angle B = 80^\circ$ .
2. Construct a quadrilateral ABCD, given that  $AB = 4$  cm,  $CD = 4.5$  cm,  $AD = 5$  cm,  $\angle A = 70^\circ$  and  $\angle D = 120^\circ$ .
3. Construct a quadrilateral ABCD, given that  $AB = 4$  cm,  $BC = 5.2$  cm,  $CD = 6$  cm,  $\angle B = 105^\circ$  and  $\angle C = 80^\circ$ .
4. Construct a quadrilateral TRUE,  $TR = 4$  cm,  $RU = 5$  cm,  $UE = 4.5$  cm,  $\angle R = 60^\circ$  and  $\angle U = 90^\circ$ .

### EXERCISE 13.4

Use Cordova Smart Class Software on the smart board in class to do Exercise.

1. Construct a quadrilateral ABCD, given that  $AB = 5.5$  cm,  $AD = 3$  cm,  $\angle A = 70^\circ$ ,  $\angle B = 95^\circ$  and  $\angle C = 80^\circ$ .
2. Construct a quadrilateral ABCD, such that  $AB = 4$  cm,  $BC = 6$  cm,  $\angle A = 75^\circ$ ,  $\angle B = 105^\circ$  and  $\angle C = 120^\circ$ .
3. Construct a quadrilateral ABCD, given that  $AB = 4.5$  cm,  $BC = 3$  cm,  $\angle A = 75^\circ$ ,  $\angle B = 80^\circ$  and  $\angle C = 120^\circ$ .
4. Construct a quadrilateral PQRS, where  $PQ = 4$  cm,  $QR = 5$  cm,  $\angle P = 60^\circ$ ,  $\angle Q = 100^\circ$  and  $\angle R = 75^\circ$ .