

DYA SHREE ACADE

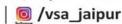




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Subject: Maths

Class: 8

Topic: Exponents and Powers

Watch video #12 and solve the following exercise:

EXERCISE 13.1

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

- 1. Construct a quadrilateral ABCD in which AB = 4 cm, BC = 6 cm, CD = 5 cm, AD = 5.5 cm and AC = 7 cm.
- 2 Construct a quadrilateral ABCD such that AB = 3 cm, BC = 3.8 cm, CD = 4.1 cm and AC = 4.8 cm and BD = 5.2 cm.
- 3. Construct a quadrilateral PQRS from the following data: RS = 5 cm, PR = PS = 6 cm, QR = 7.5 cm and QS = 10 cm. Measure its side PQ.
- 4. Construct a quadrilateral BEST in which ES = 7.5 cm, BS = 6 cm, BT = 6 cm, ST = 5 cm and ET = 10 cm.
- 5. Construct a quadrilateral ABCD in which BC = 4 cm, CA = 5.6 cm, AD = 4.5 cm, CD = 5 cm and BD = 6.5 cm.
- 6. Construct a quadrilateral ABCD in which AB = 3.5 cm, BC = 4 cm, CD = 4.5 cm, AC = 5 cm and BD = 5.5 cm.

EXERCISE 13.2

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

- 1. Construct a quadrilateral ABCD, given that ∠A = 60°, AB = 2.8 cm, BC = 3 cm, CD = 2.5 cm and DA = 3.2 cm.
- 2. Construct a quadrilateral ABCD, such that AB = 5.5 cm, BC = 4.2 cm, CD = 4.5 cm, AD = 3.5 cm and $\angle A = 75^{\circ}$.
- 3. Construct a quadrilateral ABCD, in which AB = 3.5 cm, BC = 3.4 cm, CD = 4.7 cm, AD = 5.2 cm and $\angle B = 80^{\circ}$.