

## Understanding Quadrilaterals

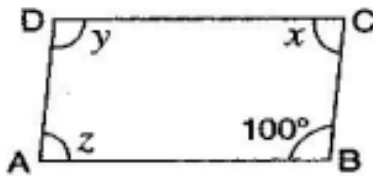
### Some Special Parallelograms

#### EXERCISE

Q1. Find the area and perimeter of a square whose side is 6 cm.

Q2. Find the area and perimeter of a rhombus whose diagonal measures are 3 cm and 5 cm and side measure is 4 cm.

Q3. Consider the following parallelograms. Find the values of the unknowns  $x$ ,  $y$ ,  $z$ , .



Q4. In a parallelogram ABCD, if  $\angle A = 70^\circ$ , find the measures of  $\angle B$ ,  $\angle C$ , and  $\angle D$ .

#### ANSWER KEY

1. Area =  $36 \text{ cm}^2$ , Perimeter = 24 cm

2. Area =  $7.5 \text{ cm}^2$ , Perimeter = 16 cm

3.  $x = 80^\circ$ ,  $y = 100^\circ$ ,  $z = 80^\circ$

4.  $\angle B = 110^\circ$ ,  $\angle C = 70^\circ$ ,  $\angle D = 110^\circ$