# TEST PAPER: MATHEMATICS

**Time:** 50 Minutes **Class:** 8th C.B.S.E.

**Max. Marks:** 30 Marks **Date:** 20th June, 2018

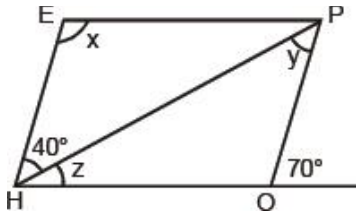
**Marking Scheme:** *Four questions carry 10 marks each. Questions have 3 subparts each. Subparts (a) and (b) carry 3 marks each and subpart (c) carries 4 marks.*

**Question 1:**

a. The interior angle of a regular is 108°. Find the number of sides of the polygon.

b. Construct a quadrilateral ABCD in which AB = 4.8 cm, BC = 4.3 cm, CD = 3.6 cm, AD = 4.2 cm and diagonal AC = 6 cm.

c. The adjacent figure HOPE is a parallelogram. Find the angle measure x, y and z.




**Question 2:**

a. Two opposite angles of a parallelogram are (5x – 8)° and (2x + 82)°. Find the measures of each angle of the parallelogram.

b. In a quadrilateral ABCD, the angles A, B, C and D are in the ratio 1: 2: 3: 4. Find the measure of each angle of the quadrilateral.

c. Construct a quadrilateral ABCD in which AB = 4 cm, BC = 3.8 cm, AD = 3 cm, diagonal AC = 5 cm and diagonal BD = 4.6 cm.

**Question 3:**

a. One angle of a parallelogram is of measure 70°. Find the measures of the remaining angles of the parallelogram.

b. Construct a parallelogram ABCD in which AB = 6 cm, BC = 4.5 cm and diagonal AC = 6.8 cm.

c. In the figure given below, BEAM is a rhombus. Find ∠AME, ∠AEM.