INDIAN SCHOOL MUSCAT – MIDDLE SECTION – DEPARTMENT OF MATHEMATICS – TERM:01 (2018 – 19)

NAME OF THE STUDENT: **CLASS :8 SEC:** **ROLL NO:**

DATE :30.05.2018 **TOPIC: PRACTICAL GEOMETRY & SQUARE ROOTS** **WORKSHEET NUMBER:03**

S.NO	QUESTIONS
1	Construct a square of side 6.2cm.
2	Construct a square given one diagonal is of length 7cm.
3	Construct a rectangle of side lengths 6.4cm and 5cm.
4	Construct a rhombus whose two diagonals are 6.1 cm and 7.2cm.
5	Construct a rhombus ABCD with AB = 6cm and $\angle A = 75°$
6	Construct a parallelogram BEST, where ES = 6.5cm, ST = 5.5cm, TE = 8cm
7	Construct a quadrilateral PQRS where PQ = 5cm, QR =6.5cm, RS = 4.5cm, PS = 5 cm and PR = 7.5cm.
8	Construct quadrilateral ABCD, BC = 5.5cm, AD = 5cm, CD = 6cm, Diagonal AC = 6cm, Diagonal BD = 7cm
9	Construct a quadrilateral PQRS, PQ =5.5cm, QR = 6cm, $\angle P = 70°$ $\angle Q = 100°$ and $\angle R = 120°$
10	Construct a quadrilateral ABCD in which AB = 5 cm, BC = 6cm, CD = 7 cm, $\angle B = 90$ $\angle C = 85$
11	Construct a parallelogram DEFG , DE = 5cm , EF = 4.5 cm and DF = 6cm
12	Find the square roots of the following using division method. a) 2209 b) 3364 c) 2116 d) 7569 e) 5184 f) 41616 g) 12996 h) 98596 i) 416025 j) 374544 k) 12 (up to 2 decimal places) l) 3.2 (up to 2 decimal places) m) 0.1225 n) 5 (correct up to 1 decimals place) o) 6.142 (correct up to 2 decimal places)
13	Find the greatest number of 5 digits which is a perfect square
14	Find the least number of 6 digits which is a perfect square