



# INDIAN SCHOOL AL WADI AL KABIR

Class VIII, Mathematics (2022-23)

## Worksheet DTQ –PRACTICAL GEOMETRY

### SHORT ANSWER TYPE QUESTIONS- 4 QUESTIONS. (2 Marks each)

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| <b>Q1.</b> | Construct square MATH, with MA = 5.8cm  |
| <b>Q2.</b> | Construct parallelogram MIST in which MI= 5.8cm ,MT= 4.3cm and the diagonal IT =6.6 cm. |
| <b>Q3.</b> | Construct rectangle with adjacent sides 6.8cm and 5.3cm.                                |
| <b>Q4.</b> | Construct Rhombus MUST in which MU= 5.5 cm and the diagonal MS= 7cm.                    |

### SHORT ANSWER TYPE- 5 QUESTIONS. (3 Marks each)

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| <b>Q5.</b>  | Construct quadrilateral ABCD in which AB=3cm BC= 3.8cm,CD=4.1cm and AD= 5cm.   |
| <b>Q6.</b>  | Construct quadrilateral ABCD in which AC=12cm,AB=8cm, $\angle B = 90^\circ$ and CD=DA=AC                                       |
| <b>Q7.</b>  | Construct Parallelogram KLMN, given that KL=3.8cm,LM=5.7 cm and $\angle L = 75^\circ$  |
| <b>Q8.</b>  | Construct rhombus with diagonals 7.5cm and 9.8 cm  |
| <b>Q9.</b>  | Construct quadrilateral SORT in which SO = 5cm, OR = 4.3cm, RT= 4.5cm $\angle O = 60^\circ$ and $\angle R = 125^\circ$         |
| <b>Q10.</b> | Construct Rhombus PQRS in which PQ = 4cm and diagonal PR = 6.4 cm  |
| <b>Q11.</b> | Construct quadrilateral PQRS in which QR= 7.5cm,RP= PS = 6cm ,RS=5cm ND QS = 10 cm.  |
| <b>Q12.</b> | Construct quadrilateral ABCD given AB=5.5cm,AD= 4 cm, $\angle A = 60^\circ$ , $\angle B = 105^\circ$ and $\angle D = 90^\circ$ |

### LONG ANSWER TYPE- 3 QUESTIONS. (4 Marks each)

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| <b>Q.14</b> | Construct quadrilateral PQRS in which PQ= 4cm,QR= 4.6 cm, $\angle Q = 80^\circ$ $\angle P = 90^\circ$ and $\angle R = 115^\circ$ . |
| <b>Q15.</b> | Construct Parallelogram READ where RE=3.7cm,EA=4cm and the diagonal RA= 6.1 cm.  |
| <b>Q16.</b> | Construct quadrilateral HOPE given that HO = 3.8cm,OP=3.5cm PE=5cm HE=4.5cm and $\angle H = 60^\circ$                              |