# INDIAN SCHOOL NIZWA – WORKSHEET

| | MATHEMATICS | |
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| | **CH-5 Understanding Elementary shapes** | |
| **Name:_____** | **Date:_____** | **Class: VI Sec:__** |

| **I** | **Fill in the blanks:** |
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| 1 | a) We use a _____to measure the size of an angle in degree.<br>b) The measure of a right angle is_____<br>c) The number of right angles made when we start from north and turn anticlockwise to west is _____<br>d) One fourth of a revolution is equal to _____angle.<br>e) When the sum of the measures of two angles is that of a right angle, then each one of them is _____<br>f) Let $\overline{AB}$ be the perpendicular to the line segment $\overline{CD}$. Let $\overline{AB}$ and $\overline{CD}$ intersect in the point G. What is the measure of ∠AGC? _____<br>g) State True/False.<br>i) Square, rectangle, parallelogram are all quadrilaterals. _____<br>ii) The measure of a reflex angle$<180^0$._____<br>iii) The opposite sides of a trapezium are parallel._____ |
| 2 | Draw a rough sketch of the following and mark the measurement using a protractor.<br>a) Acute angled triangle<br>b) Obtuse angled triangle |

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| 3 | Name the types of following triangles.<br>a) $\triangle ABC$ with AB = 5.4cm, AC = 7cm, BC = 6 cm.<br>b) $\triangle XYZ$ with m $\angle Y = 90^0$<br>c) $\triangle PQR$ such that PQ = QR = PR = 8cm<br>d) $\triangle LMN$ with m $\angle M = 40^0$, m $\angle N = 80^0$, m $\angle L = 60^0$ |
| 4 | Where will the hand of a clock stop if it<br>a) Starts at 7 and makes half of the revolution, clockwise?<br>b) Starts at 1 and makes a one- fourth revolution, clockwise? |
| 5 | What fraction of a clockwise revolution does the hour hand of a clock turn through, when it goes from<br>a) 10 to 1<br>b) 12 to 6 |
| 6 | How many right angles do you make if you start facing<br>a) West and turn anti-clockwise to east?<br>b) South and turn to south? |
| 7. | Name the properties of the following:<br>a) Rhombus<br>b) Square<br>c) Parallelogram |