**GRADE 6 MATHEMATICS**
**Test Description for ANGLES, TRIANGLES, AND SEGMENTS**
**(Import file: 6.MA.Angles-Tri-Seg.0708)**

| SOL Objectives | Number of Items | | |
|---|---|---|---|
| | Total | For Mastery | For Partial Mastery |
| **6.13a** Estimate angles measures using 45°, 90°, and 180°, as referents. | 4 | 3 | NA |
| **6.13b(1)** Measure, draw, and classify right, straight, acute, and obtuse angles. | 7 | 6 | 5 |
| **6.13b(2)** Measure, draw, and classify right, acute, and obtuse triangles. | 5 | 4 | NA |
| **6.15** Determine congruence of segments, angles, and polygons by direct comparison, given their attributes. Examples of non-congruent figures will be included. | 6 | 5 | 4 |
| **6.16** Construct the perpendicular bisector of a line segment and an angle bisector. | 4 | 3 | NA |
| | 26 | | |

**Test Description for ANGLES, TRIANGLES AND SEGMENTS**

| SOL Objective | Essential Knowledge and Skills | Item Descriptions | # |
|---|---|---|---|
| **6.13a** Estimate angle measures using 45°, 90°, and 180°, as referents. | Estimate visually the angle measure of a given angle by using 45°, 90°, and 180° as referents. | Estimate measure of angle | 1 |
| | | Estimate measure of angle | 2 |
| | | Determine measure of angle using referent | 3 |
| | | Estimate measure of angle | 4 |
| **6.13b(1)** Measure, draw, and classify right, straight, acute, and obtuse angles. | Classify angles based on their measurement. | Identify number of right angles in a figure | 11 |
| | | Identify obtuse angle from complex figure | 8 |
| | | Identify type of angle from given figure | 10 |
| | | Compare one type of angle to another type of angle | 9 |
| | | Identify straight angle from complex figure | 7 |
| | | Identify acute angle from complex figure | 6 |
| | | Identify number of degrees in a straight angle from a drawing | 5 |
| **6.13b(2)** Measure, draw, and classify right, acute, and obtuse triangles. | Measure and classify acute, right and obtuse triangles, using appropriate tools. | Identify type of triangle from given figures | 13 |
| | | Identify type of triangle given the figure | 14 |
| | | Identify all three angle measurements as an example of a specific triangle | 12 |
| | | Identify all three angle measurements as an example of a specific triangle | 15 |
| | | Identify a triangle given characteristics of the angle/angles in the triangle | 16 |