**Measurement – Tool/Manipulatives**

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|  | **Kindie** | **Grade 1** | **Grade 2** | **Grade 3** | **Grade 4** | **Grade 5** | **Grade 6** | **Grade 7** | **Grade 8** |
| **L**  **I**  **N E**  **A**  **R** | **Non - Standard (of the same size)**   * links * connecting cubes * beads * paper clips * toothpicks * string * pencils * blocks * books * stickers * feet * hands * string | **Non - Standard (of the same size)**   * links * connecting cubes * beads * paper clips * toothpicks * string | **Non -Standard (of the same size)**   * links * connecting cubes * beads * paper clips * toothpicks * string * pattern blocks   **Standard Units Benchmarks for cm and m**   * 30 cm ruler * meter stick | **Non - Standard**   * connecting cubes * pattern blocks (area) * grid paper * geoboard   **Standard Units Benchmarks for cm, m and km**   * 30 cm ruler * meter stick * cm grid paper | **Non- Standard**   * grid paper * pattern blocks * geoboard * connecting cubes   **Standard Units Benchmarks for mm, cm, dm, m, km**   * 30 cm ruler * meter stick * cm grid paper | **Non-Standard**   * grid paper * pattern blocks * geoboard * connecting cubes * Power Polygons * dot paper   **Standard Units Benchmarks for mm, cm, dm, m, km**   * 30 cm ruler * meter stick * cm grid paper | **Non-Standard**   * grid paper * dot paper * pattern blocks * geoboard * connecting cubes * Power Polygons   **Standard Units Benchmarks for mm, cm, dm, m, dec, km**   * 30 cm ruler * meter stick * cm grid paper | **Non-Standard**   * grid paper * dot paper * pattern blocks * geoboard * connecting cubes * Power Polygons   **Standard Units Benchmarks for mm, cm, dm, m, dec, km**   * 30 cm ruler * meter stick * cm grid paper | **Non-Standard**   * grid paper * dot paper * pattern blocks * geoboard * connecting cubes * Power Polygons * Circumference * string * non standard containers   **Standard Units Benchmarks for mm, cm, dm, m, dec, km**   * 30 cm ruler * meter stick * cm grid paper |
| **MA**  **S**  **S**  **C**  **A**  **P**  **A**  **C**  **I**  **T**  **Y**  **V**  **O**  **L**  **UME** | **Non Standard**  sand table  water table  different sized containers  **Vocabulary**  Small  Medium  Large | **Non-Standard**   * balance scale * different size containers | **Measure and compare objects using Non-Standard**   * balance scale * different size containers | **Measure in Standard** **Units:**  kilogram (kg)  litre (l)  measuring cups for measuring litre | **Measure in Standard** **Units:**  kilogram (kg)  gram (g)  litre (l)  mililitres (ml)  measuring cups for measuring litre  weights for scale  cm cubes with mass of 1 gram  other objects of known mass | **Measure in Standard** **Units:**  kilogram (kg)  gram (g)  litre (l)  mililitres (ml)  tonne  measuring cups for measuring litre  weights for scale  Volume  connecting cubes | **Measure in Standard** **Units:**  kilogram (kg)  gram (g)  litre (l)  mililitres (ml)  tonne  measuring cups for measuring litre  weights for scale  Volume  connecting cubes | **Measure in Standard** **Units:**  kilogram (kg)  gram (g)  litre (l)  mililitres (ml)  tonne  measuring cups for measuring litre  weights for scale  Volume  connecting cubes  cubic cm | **Measure in Standard** **Units:**  kilogram (kg)  gram (g)  litre (l)  mililitres (ml)  tonne  measuring cups for measuring litre  weights for scale  Volume  connecting cubes |