**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 litreweights for scalecm cubes with mass of 1 gramother objects of known mass | **Measure in Standard** **Units:**kilogram (kg)gram (g)litre (l)mililitres (ml)tonnemeasuring cups for measuring litreweights for scaleVolumeconnecting cubes | **Measure in Standard** **Units:**kilogram (kg)gram (g)litre (l)mililitres (ml)tonnemeasuring cups for measuring litreweights for scaleVolumeconnecting cubes | **Measure in Standard** **Units:**kilogram (kg)gram (g)litre (l)mililitres (ml)tonnemeasuring cups for measuring litreweights for scaleVolumeconnecting cubescubic cm  | **Measure in Standard** **Units:**kilogram (kg)gram (g)litre (l)mililitres (ml)tonnemeasuring cups for measuring litreweights for scaleVolumeconnecting cubes |