

## Theatre Math

### Grade 1

#### ***Overall Expectations***

- Estimate, measure, and describe length, area, mass, capacity, time, and temperature, using non-standard units of the same size
- compose and decompose common two-dimensional shapes and three-dimensional figures

#### ***Specific Expectations***

- estimate, measure (i.e., by placing non-standard units repeatedly, without overlaps or gaps), and record lengths, heights, and distances
- compose patterns, pictures, and designs, using common two-dimensional shapes

### Grade 2

#### ***Overall Expectations***

- Estimate, measure, and record length, perimeter, area, mass, capacity, time, and temperature, using non-standard units and standard units;
- Compose and decompose two-dimensional shapes and three-dimensional figures

#### ***Specific Expectations***

- estimate and measure length, height, and distance, using standard units (i.e., centimetre, metre) and non-standard units
- compose and decompose two-dimensional shapes

### Grade 3

#### ***Overall Expectations***

- Estimate, measure, and record length, perimeter, area, mass, capacity, time, and temperature, using standard units

#### ***Specific Expectations***

- estimate, measure, and record the perimeter of two-dimensional shapes, through investigation using standard units

## Grade 4

### ***Overall Expectations***

- Estimate, measure, and record length, perimeter, area, mass, capacity, time, and temperature, using a variety of strategies;
- Identify and describe the location of an object, using a grid map, and reflect two-dimensional shapes

### ***Specific Expectations***

- estimate, measure, and record length, height, and distance, using standard units
- draw items using a ruler, given specific lengths in millimetres or centimetres
- estimate, measure using a variety of tools (e.g., centimetre grid paper, geoboard) and strategies, and record the perimeter and area of polygons;
- construct skeletons of three-dimensional figures, using a variety of tools, and sketch the skeletons

## Grade 5

### ***Overall Expectations***

- Estimate, measure, and record length, perimeter, area, mass, capacity, time, and temperature, using a variety of strategies;

### ***Specific Expectations***

- estimate and measure the perimeter and area of regular and irregular polygons, using a variety of tools
- select and justify the most appropriate standard unit (i.e., millimetre, centimetre, decimetre, metre, kilometre) to measure length, height, width, and distance, and to measure the perimeter of various polygon

## Grade 6

### ***Overall Expectations***

- estimate, measure, and record quantities, using the metric measurement system; classify and construct polygons and angles;
- sketch three-dimensional figures and construct three-dimensional figures from drawings

***Specific Expectations***

- demonstrate an understanding of the relationship between estimated and precise measurements, and determine and justify when each kind is appropriate
- estimate, measure, and record length, area, mass, capacity, and volume, using the metric measurement system
- solve problems involving the estimation and calculation of the areas of triangles and the areas of parallelograms
- sketch, using a variety of tools, isometric perspectives and different views (i.e., top, side, front) of three-dimensional figures