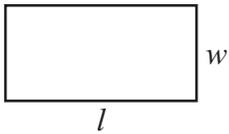


# New England Common Assessment Program

## Mathematics Reference Sheet – Grade 7

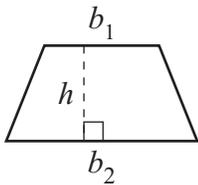
Use the information below as needed to answer questions on the mathematics test.

### Rectangle



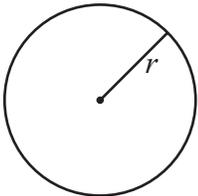
$$\text{Area} = lw$$

### Trapezoid



$$\text{Area} = \frac{1}{2} h(b_1 + b_2)$$

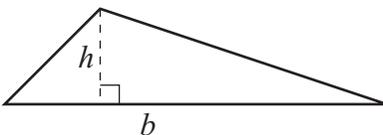
### Circle



$$\text{circumference} = 2\pi r$$

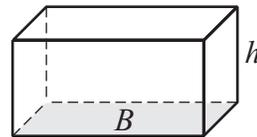
$$\pi \approx 3.14$$

### Triangle



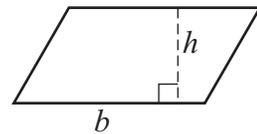
$$\text{Area} = \frac{1}{2} bh$$

### Rectangular Prism



$$\begin{aligned} \text{Volume} &= \text{area of the base} \cdot \text{height} \\ &= Bh \end{aligned}$$

### Parallelogram



$$\text{Area} = bh$$

**Mean:** The mean of a data set is the sum of all the values divided by the number of values.

**Median:** The median of a data set is the middle value or average of the two middle values when the values are arranged in numerical order.

**Mode:** The mode of a data set is the value that occurs most often.