



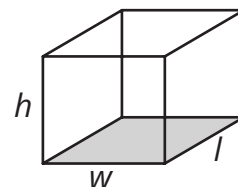
# NSCAS NEBRASKA STUDENT-CENTERED ASSESSMENT SYSTEM

## Summative Assessment Mathematics Grade 5 Reference Sheet

2-Dimensional Shape	Area	Perimeter
Rectangle	$A = l \times w$	$P = 2l + 2w$
Square	$A = s \times s$	$P = s + s + s + s$

3-Dimensional Shape	Volume
Rectangular Prism	$V = lwh = Bh$

In the image to the right, the shaded face is the base.



2-Dimensional Shape Key
$l$ = length $w$ = width $s$ = side $h$ = height

3-Dimensional Shape Key
$l$ = length $w$ = width $h$ = height of shape $B$ = area of base

Standard Units	Metric Units
<b>Conversions – Length</b>	
1 foot (ft) = 12 inches (in.)	1 centimeter (cm) = 10 millimeters (mm)
1 yard (yd) = 3 feet (ft) = 36 inches (in.)	1 meter (m) = 100 centimeters (cm)
1 mile (mi) = 1,760 yards (yd) = 5,280 feet (ft)	1 meter (m) = 1,000 millimeters (mm)
	1 kilometer (km) = 1,000 meters (m)
<b>Conversions – Volume</b>	
1 cup = 8 fluid ounces (fl oz)	1 liter (l) = 1,000 milliliters (ml)
1 pint (pt) = 2 cups	1 liter (l) = 1,000 cubic centimeters (cu cm)
1 quart (qt) = 2 pints (pt)	
1 gallon (gal) = 4 quarts (qt)	
<b>Conversions – Weight/Mass</b>	
1 pound (lb) = 16 ounces (oz)	1 gram (g) = 1,000 milligrams (mg)
1 ton = 2,000 pounds (lb)	1 kilogram (kg) = 1,000 grams (g)