

Ohio State Test Reference Sheet

Grade 4

1 yard = 3 feet

1 foot = 12 inches

1 kilometer = 1,000 meters

1 meter = 100 centimeters

1 centimeter = 10 millimeters

1 pound = 16 ounces

1 hour = 60 minutes

1 minute = 60 seconds

1 cup = 8 fluid ounces

1 pint = 2 cups

1 quart = 2 pints

1 gallon = 4 quarts

Ohio State Test Reference Sheet

Grade 5

1 mile = 1,760 yards

1 mile = 5,280 feet

1 yard = 3 feet

1 foot = 12 inches

1 kilometer = 1,000 meters

1 meter = 100 centimeters

1 centimeter = 10 millimeters

1 pound = 16 ounces

1 kilogram = 1,000 grams

1 hour = 60 minutes

1 minute = 60 seconds

1 cup = 8 fluid ounces

1 pint = 2 cups

1 quart = 2 pints

1 gallon = 4 quarts

1 liter = 1,000 milliliters

Ohio State Test Reference Sheet

Grades 6 and 7

1 mile = 1,760 yards

1 mile = 5,280 feet

1 pound = 16 ounces

1 cup = 8 fluid ounces

1 pint = 2 cups

1 quart = 2 pints

1 gallon = 4 quarts

1 kilometer = 1,000 meters

1 kilogram = 1,000 grams

1 liter = 1,000 milliliters

1 meter = 100 centimeters

1 centimeter = 10 millimeters

Ohio State Test Reference Sheet**Grade 8**

1 mile = 1,760 yards

1 mile = 5,280 feet

1 pound = 16 ounces

1 cup = 8 fluid ounces

1 pint = 2 cups

1 quart = 2 pints

1 gallon = 4 quarts

Cylinder	$V = \pi r^2 h$	Pyramid	$V = \frac{1}{3} B h$
Sphere	$V = \frac{4}{3} \pi r^3$	Cone	$V = \frac{1}{3} \pi r^2 h$

Ohio State Test Reference Sheet

High School

1 foot = 12 inches

1 yard = 3 feet

1 mile = 1,760 yards

1 mile = 5,280 feet

1 mile \approx 1.609 kilometers

1 inch = 2.54 centimeters

1 kilometer \approx 0.62 mile

1 meter \approx 39.37 inches

1 pound = 16 ounces

1 pound \approx 0.454 kilograms

1 kilogram \approx 2.2 pounds

1 radian = $\frac{180}{\pi}$ degrees

1 cup = 8 fluid ounces

1 pint = 2 cups

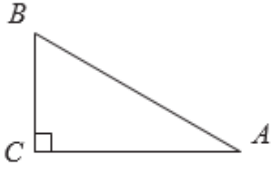
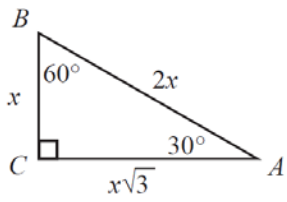
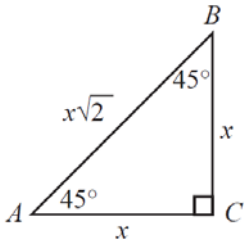
1 quart = 2 pints

1 gallon = 4 quarts

1 gallon \approx 3.785 liters

1 liter \approx 0.264 gallons

1 liter = 1000 cubic centimeters

Right Triangle Relationships		
	$a^2 + b^2 = c^2$ $\sin A = \frac{a}{c}$ $\cos A = \frac{b}{c}$ $\tan A = \frac{a}{b}$	
		

Key			
$b = \text{base}$	$B = \text{area of base}$	$h = \text{height}$	$r = \text{radius}$

Triangle	$A = \frac{1}{2} b h$
Parallelogram	$A = b h$
Circle	$C = 2 \pi r$
Circle	$A = \pi r^2$
General Prisms	$V = B h$
Cylinder	$V = \pi r^2 h$
Sphere	$V = \frac{4}{3} \pi r^3$
Cone	$V = \frac{1}{3} \pi r^2 h$
Pyramid	$V = \frac{1}{3} B h$