

# Math Tool: Tables of Measurement Units

## Customary Units of Length

1 foot (ft) = 12 inches (in.)

1 yard (yd) = 3 ft

1 yd = 36 in.

1 mile (mi) = 5,280 ft

1 mi = 1,760 yd

## Customary Units of Weight

1 pound (lb) = 16 ounces (oz)

1 ton (T) = 2,000 lb

## Customary Units of Capacity

1 cup (c) = 8 fluid ounces (oz)

1 pint (pt) = 2 c

1 quart (qt) = 2 pt

1 gallon (gal) = 4 qt

## Metric Units of Length

1 centimeter (cm) = 10 millimeters (mm)

1 meter (m) = 100 cm

1 m = 1,000 mm

1 kilometer (km) = 1,000 m

## Metric Units of Mass

1 gram (g) = 1,000 milligrams (mg)

1 kilogram (kg) = 1,000 g

1 metric ton (t) = 1,000 kg

## Metric Units of Capacity

1 liter (L) = 1,000 milliliters (mL)

1 kiloliter (kL) = 1,000 L

## Time

1 minute (min) = 60 seconds (sec)

1 hour (h) = 60 min

1 day (d) = 24 h

1 week (wk) = 7 d

1 year (yr) = 12 months (mo)

1 yr = 52 weeks

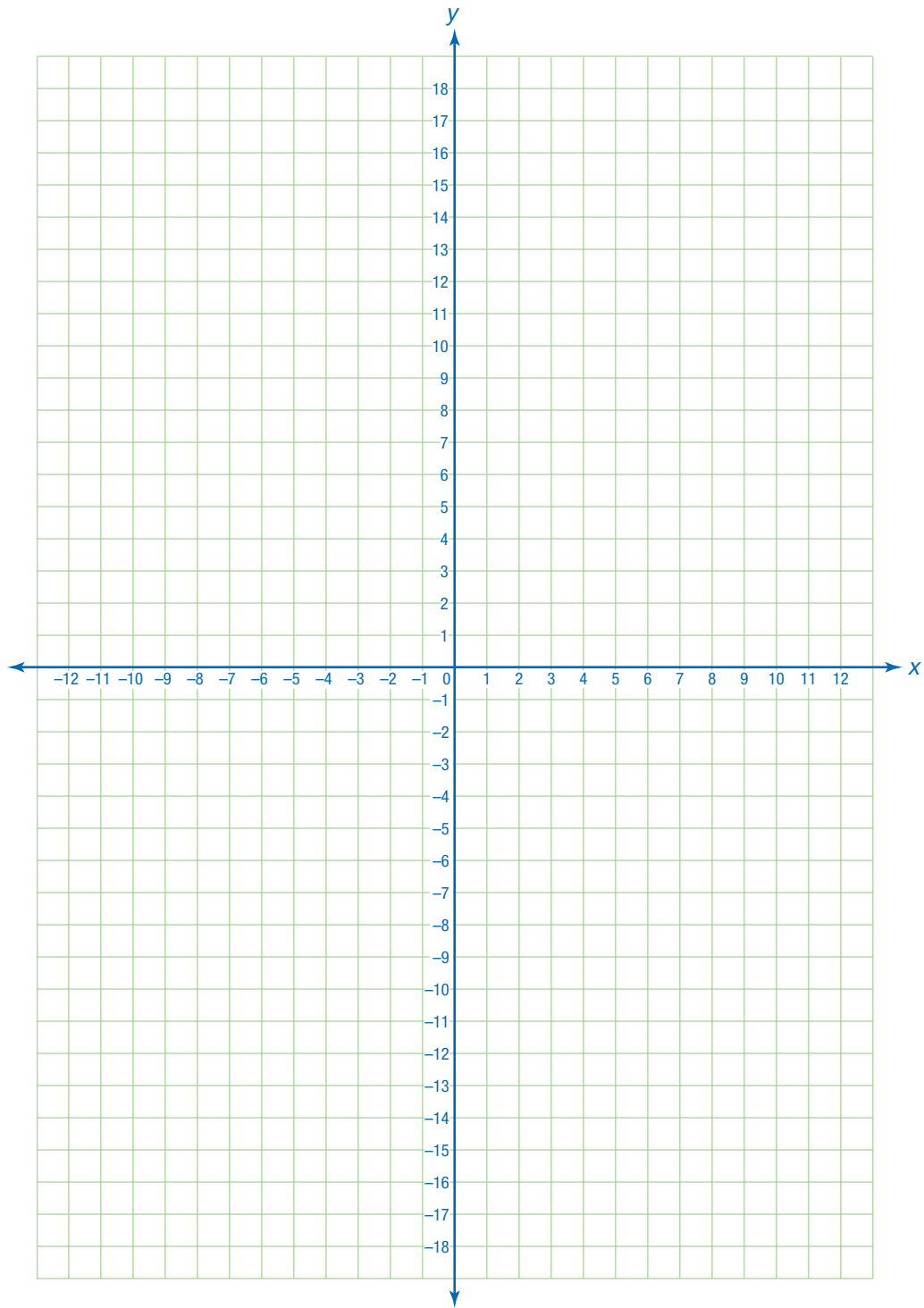
1 yr =  $365\frac{1}{4}$  d

## Square Measure

1 square foot (sq ft or ft<sup>2</sup>) = 144 square inches (sq in. or in.<sup>2</sup>)

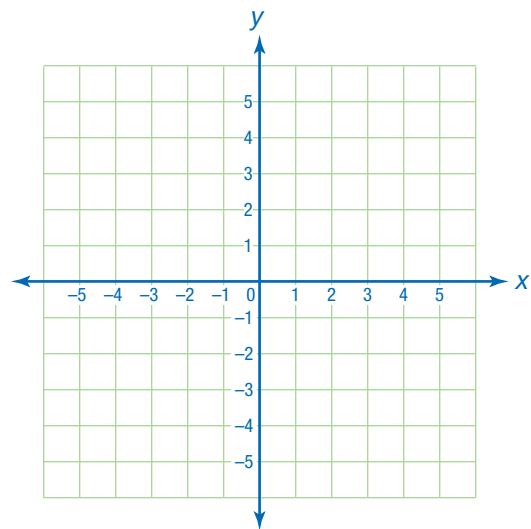
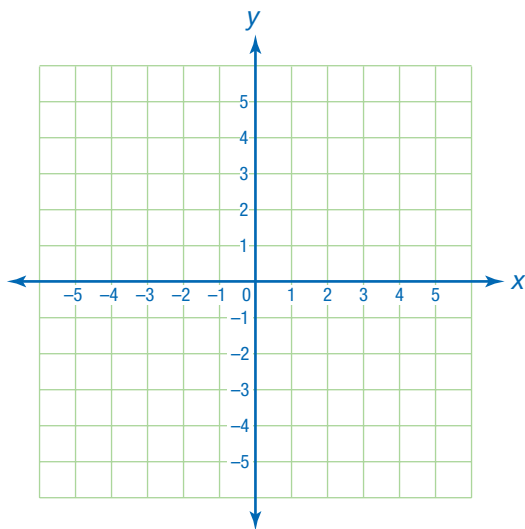
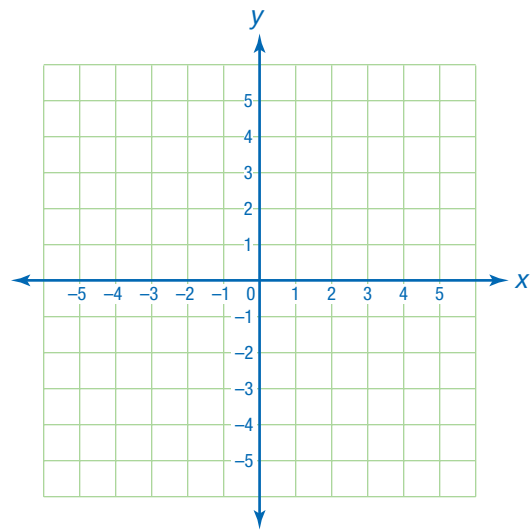
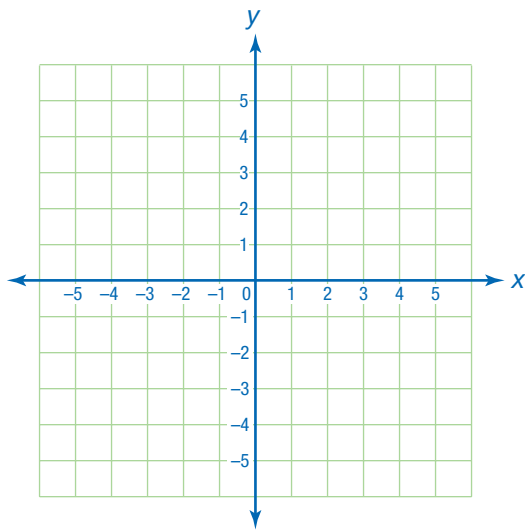
1 square yard (sq yd or yd<sup>2</sup>) = 9 sq ft

# Math Tool: Coordinate Plane



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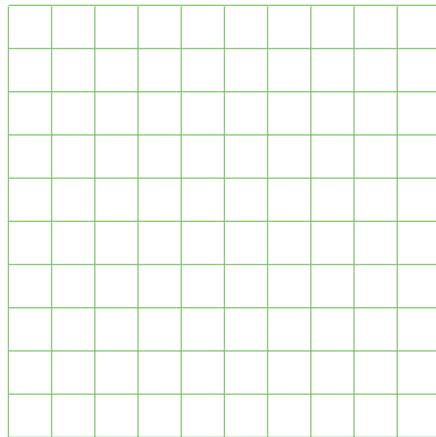
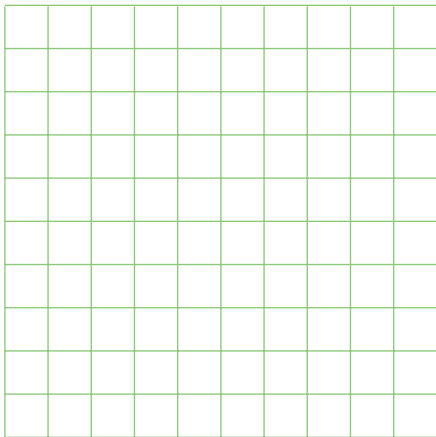
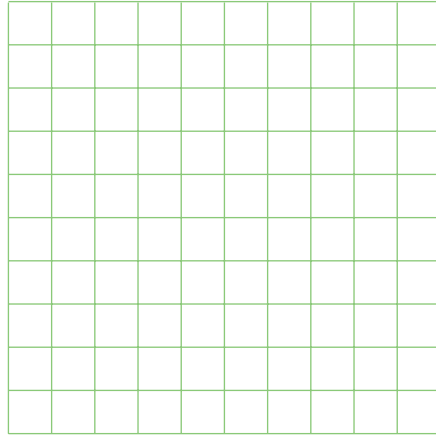
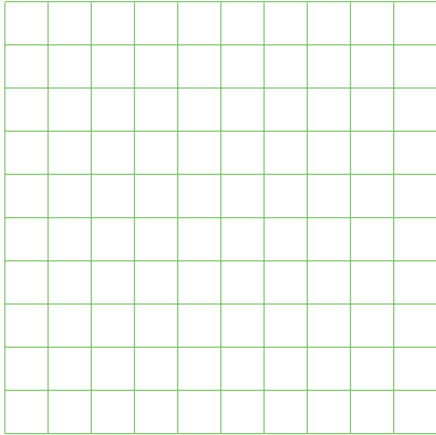
# Math Tool: Coordinate Planes



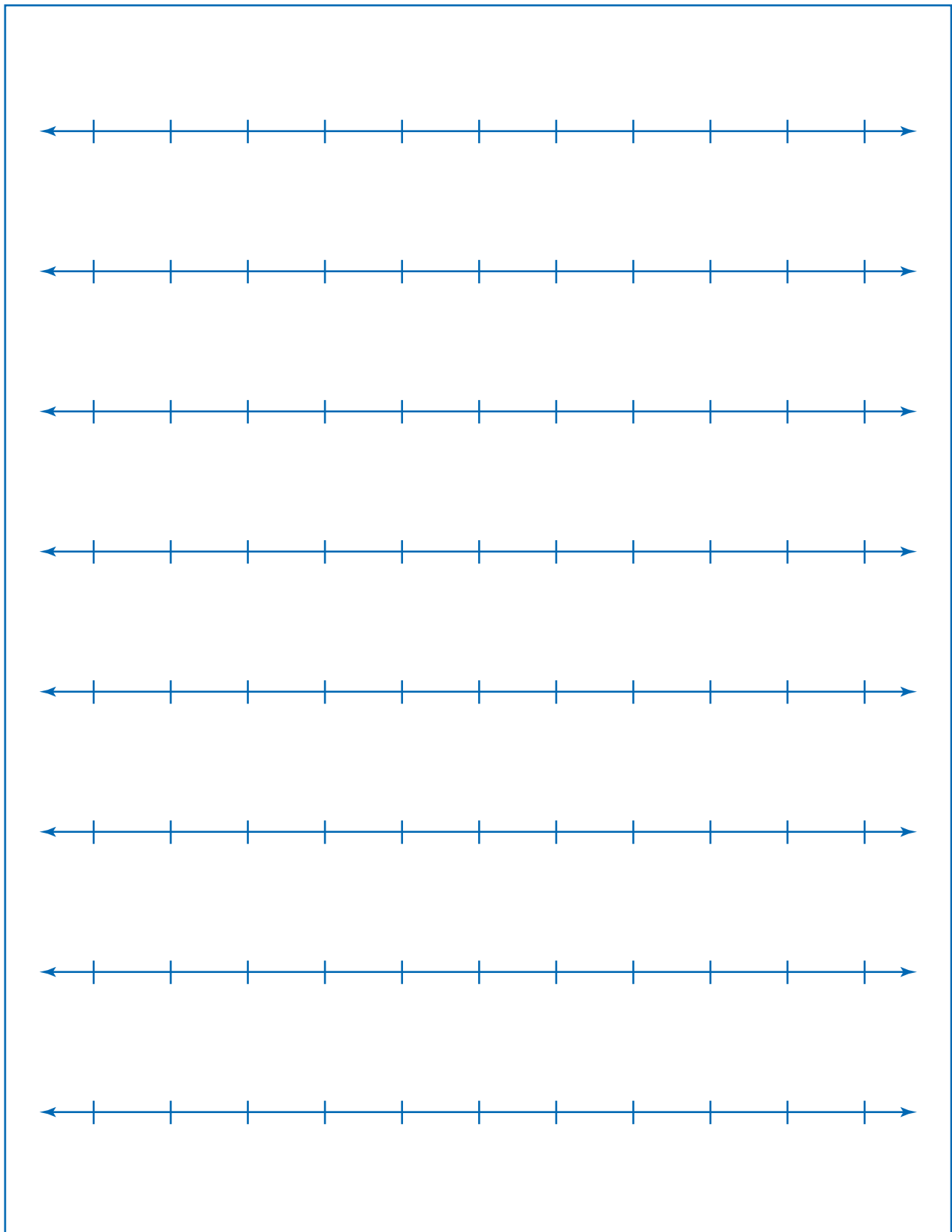
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Math Tools

# Math Tool: Grids



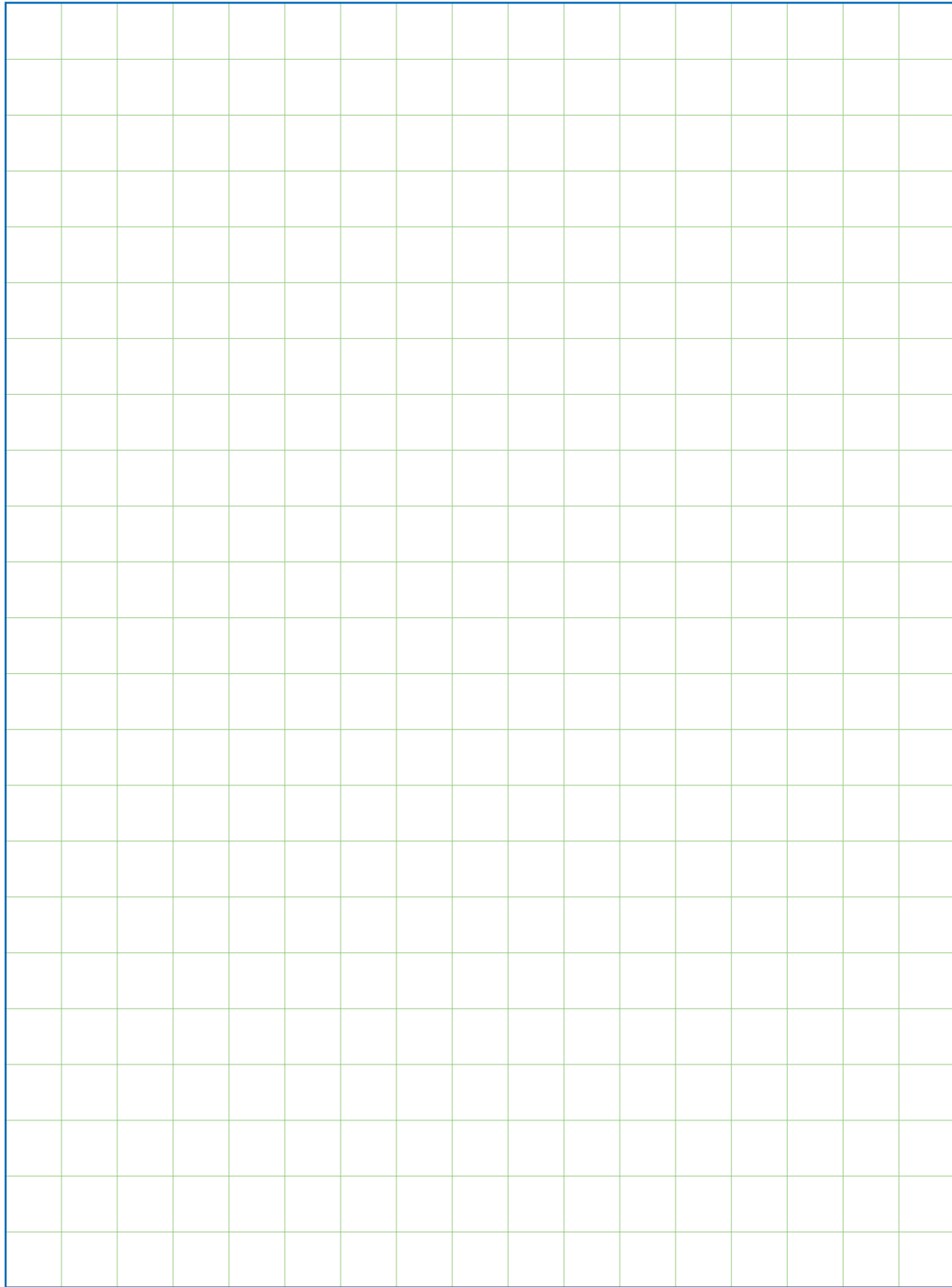
# Math Tool: Blank Number Lines



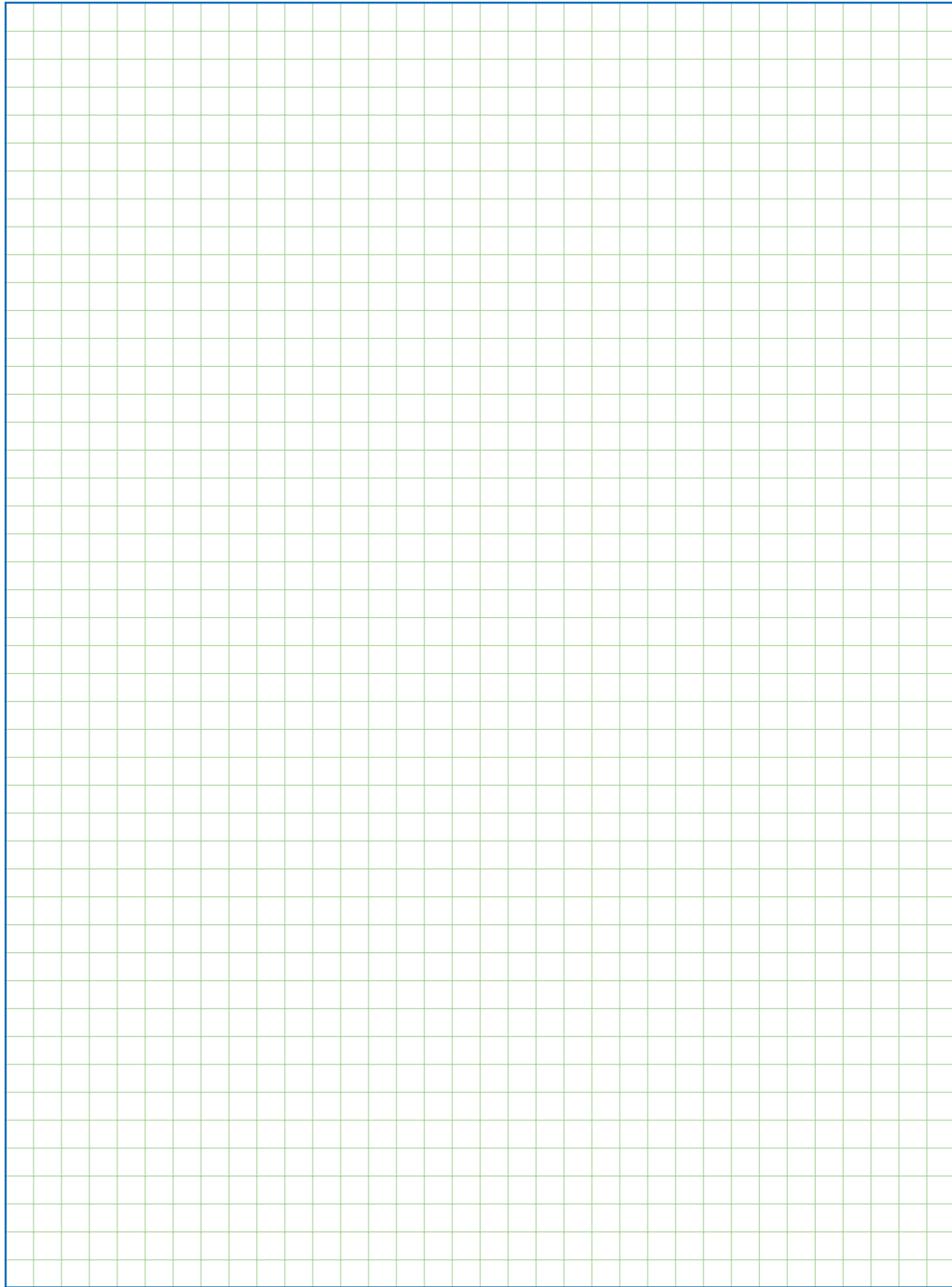
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# Math Tool: Grid Paper





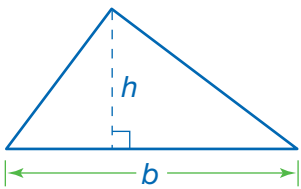
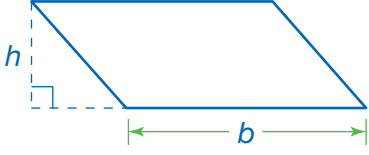
# Math Tool: Grid Paper



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# Math Tool: Area Formulas

Formulas for Area, $A$	
<p><b>Rectangle</b></p>  <p><math>A = lw,</math></p> <p>where <math>l</math> stands for the length and <math>w</math> stands for the width</p>	<p><b>Square</b></p>  <p><math>A = s^2,</math></p> <p>where <math>s</math> stands for the length of a side</p>
<p><b>Triangle</b></p>  <p><math>A = \frac{1}{2}bh,</math></p> <p>where <math>b</math> stands for the length of the base and <math>h</math> stands for the height</p>	<p><b>Parallelogram</b></p>  <p><math>A = bh,</math></p> <p>where <math>b</math> stands for the length of the base and <math>h</math> stands for the height</p>

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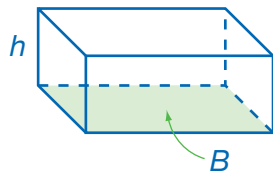
# Math Tool: Volume Formulas

## Formulas for Volume, $V$

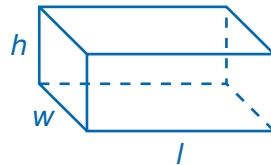
### Volume of a Rectangular Prism

$$V = Bh,$$

where  $B$  is the area of the base of the prism  
and  $h$  is the height of the prism



$$V = Bh$$



$$V = lwh,$$

where  $l$  is the length,  
 $w$  is the width, and  
 $h$  is the height