



Summer Math Program
Entering Sixth Grade
Week 10



Fast Facts

See how many you can do in one minute!

$$\frac{3}{6} + \frac{6}{11} =$$

$$\frac{1}{2} + \frac{9}{10} =$$

$$\frac{10}{11} + \frac{5}{9} =$$

$$\frac{10}{11} + \frac{1}{4} =$$

$$\frac{7}{9} + \frac{2}{7} =$$

$$\frac{6}{10} + \frac{1}{5} =$$

$$\frac{5}{12} + \frac{1}{2} =$$

$$\frac{7}{10} + \frac{4}{11} =$$

$$\frac{3}{9} + \frac{5}{9} =$$

Awesome Angles

For a Khan Academy lesson on using a protractor to measure angles go to:
<http://www.khanacademy.org/math/geometry/angles/v/measuring-angles>.

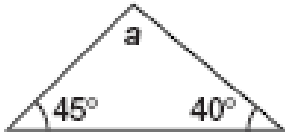
Go to <http://www.mathplayground.com/measuringangles.html> for an activity on measuring angles with an interactive protractor.

Identify each angle as right, acute, or obtuse.

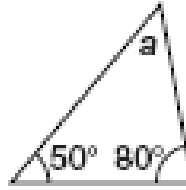


Find the value of a .

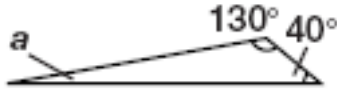
1.



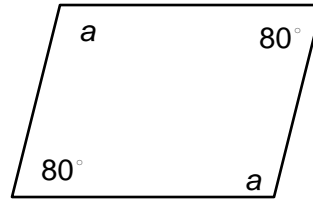
2.



3.

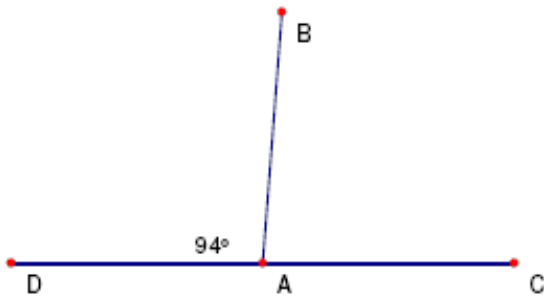


4.

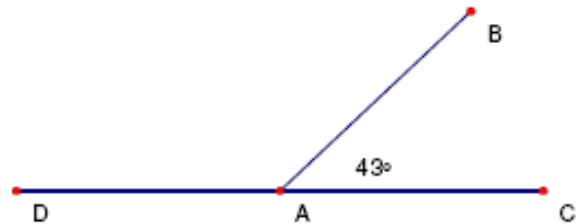


Identify the value of the missing angles.

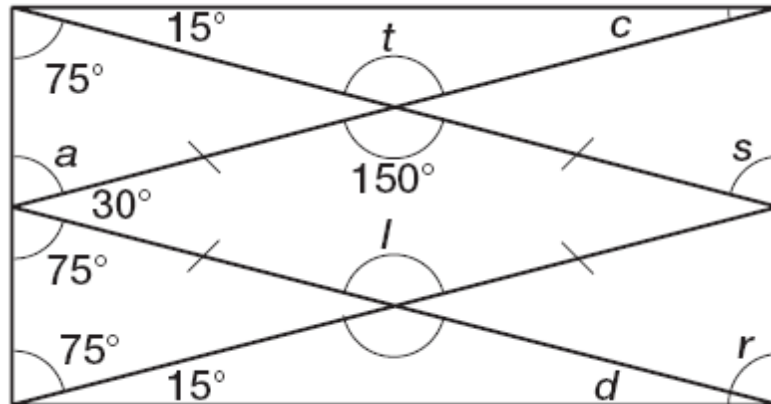
1.



2.



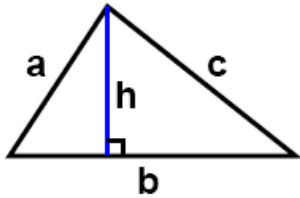
Use the diagram to complete the chart.



Angle	c	a	t	s	r	d	l
Measure							

AREA AND PERIMETER

Review the following information to solve the three problems on the next page.

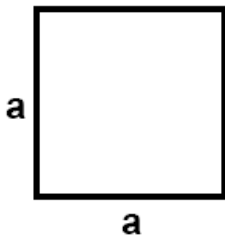


Triangles - Common

A polygon with three angles and three sides.

$$\text{Area} = \frac{1}{2} \text{ base} \times \text{height} = \frac{1}{2} bh$$

$$\text{Perimeter} = a + b + c$$

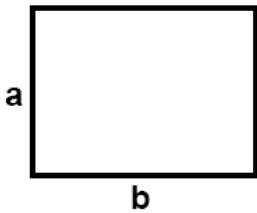


Square

A Square is a quadrilateral with four equal sides and angles at 90° .

$$\text{Area} = a^2$$

$$\text{Perimeter} = 4a$$

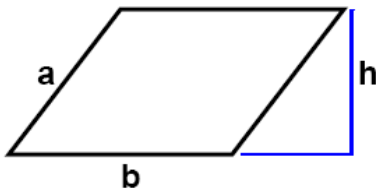


Rectangle

A Rectangle is a quadrilateral with four equal angles at 90° .

$$\text{Area} = ab$$

$$\text{Perimeter} = 2(a + b)$$

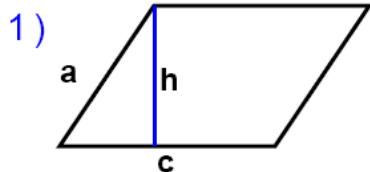


Parallelogram

A Parallelogram is a quadrilateral with opposite sides parallel.

$$\text{Area} = bh$$

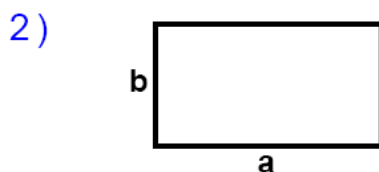
$$\text{Perimeter} = 2(a + b)$$



$a = 57.87$ inches
 $c = 81$ inches $h = 53$ inches

Area: _____

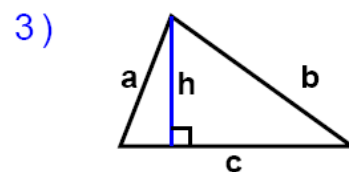
Perimeter: _____



$a = 85$ cm $b = 46$ cm

Area: _____

Perimeter: _____



$a = 52.61$ mm $b = 83.7$ mm
 $c = 87$ mm $h = 49$ mm

Area: _____

Perimeter: _____

Web Links

Try these web sites for additional practice and interactive learning!

- Cool Math
<http://www.coolmath.com/>
- Primary Games
<http://www.primarygames.com/math.php>