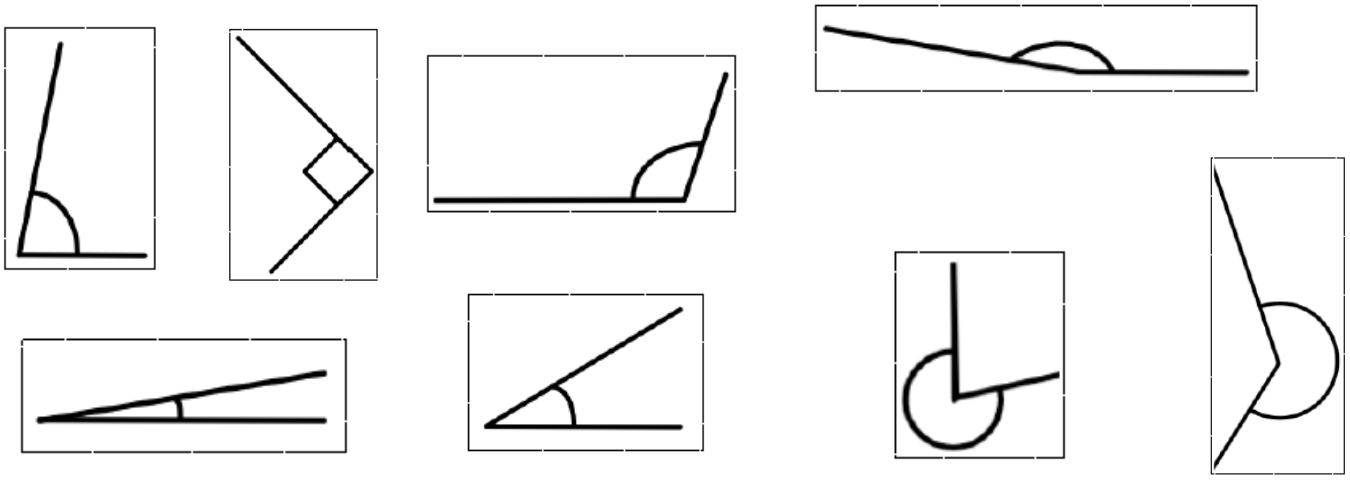
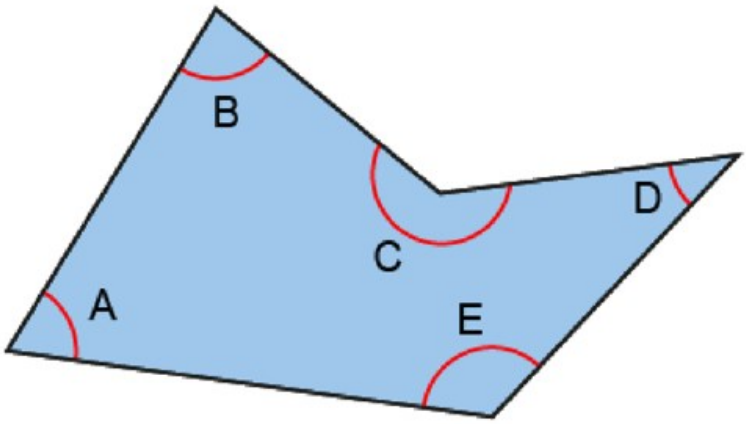
Monday 5.12.22

Classifying and ordering angles

Cut these angles out and label them 'acute', 'obtuse' or 'right'. Then order them from smallest to largest angle in your book.



Have a look at this shape. Label each of the angles either acute, right, obtuse or reflex.



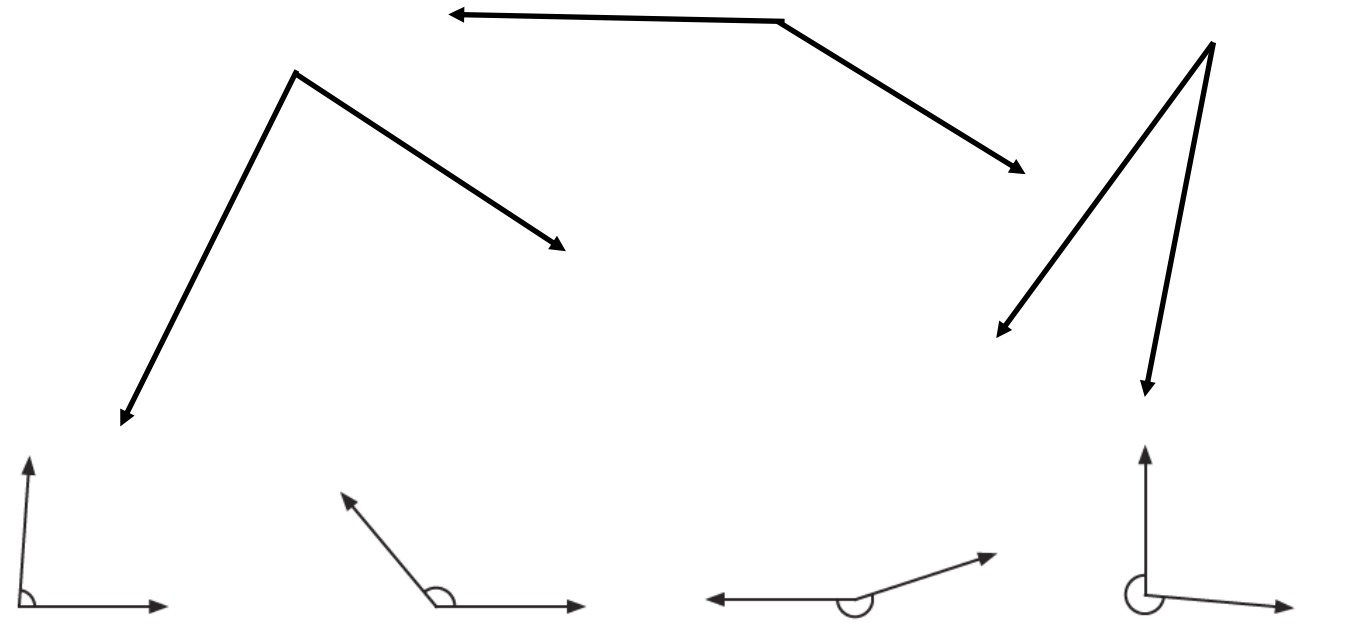
Challenge:

Using a ruler, draw your own 5 pointed shape. Can you include a reflex angle in it? Label each of the angles you have drawn.

Tuesday 6.12.22

Estimating and measuring angles

Task 1: Estimate, then measure, each of the angles below. Measure with a protractor and give your answer in degrees.



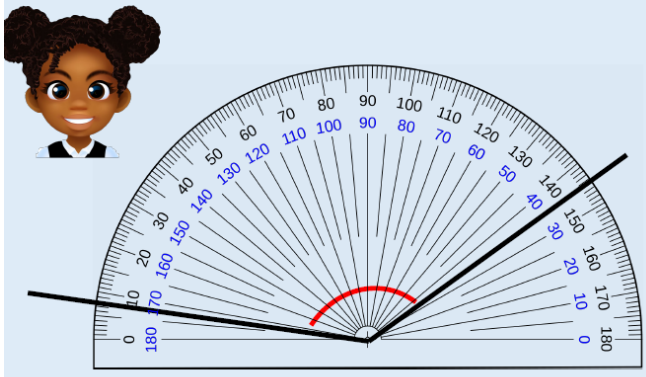
Estimate _____ Estimate _____ Estimate _____ Estimate _____

Measurement _____ Measurement _____ Measurement _____ Measurement _____

Task 2

Draw 5 points in your book. Join each one with a straight line to make a 5 pointed shape. Then estimate and measure each angle in the shape. Give your measurements in degrees.

Leanna is measuring an obtuse angle.
What's her mistake?



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Wednesday 7.12.22

Drawing angles

180° Protractor Challenge

2. Draw and label these angles.
   a. an acute angle
   b. a straight angle
   c. an obtuse angle
   d. a right angle

Draw and label these angles.

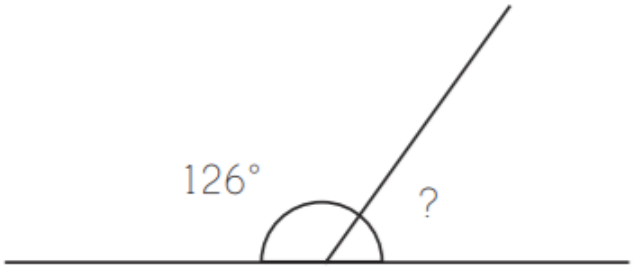
a. 175°
b. 5°
c. 93°
d. 74°

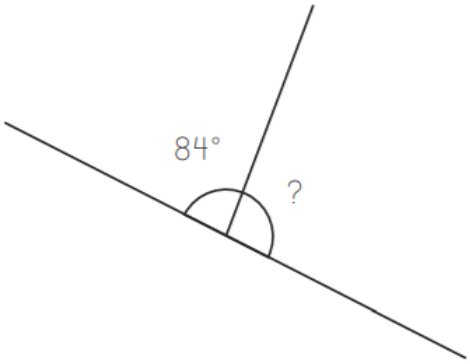
180° Protractor Challenge

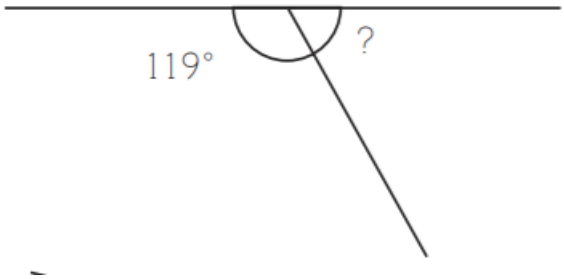
4. Draw and label these angles.
   a. an obtuse angle less than 160°
   b. an acute angle less than 40°
   c. a right angle
   d. an obtuse angle larger than 160°

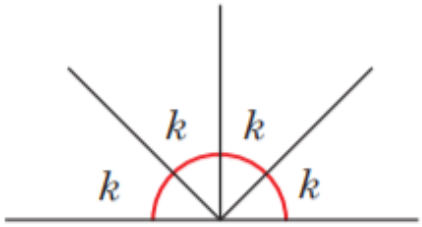
Thursday 8.12.22

Solving missing angle problems

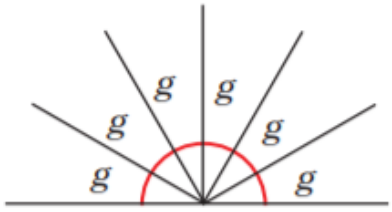




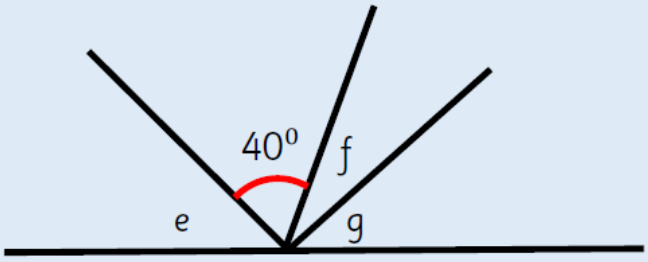




$k =$ ☐ °



$g =$ ☐ °



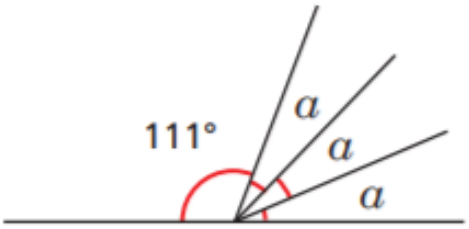
The total of angle f and g are the same as angle e.

Angle e is 30^0 more than the size of given angle.

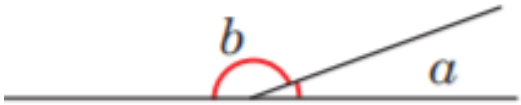
Angle f is 10^0 more than angle g.

Thursday 8.12.22

Solving missing angles ***Challenge***



Calculate the value of angle a



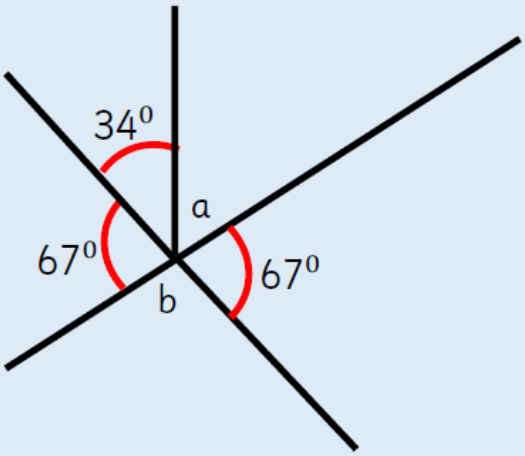
Two angles are marked.

Angle b is eight times the size of angle a.

What is the size of each angle?

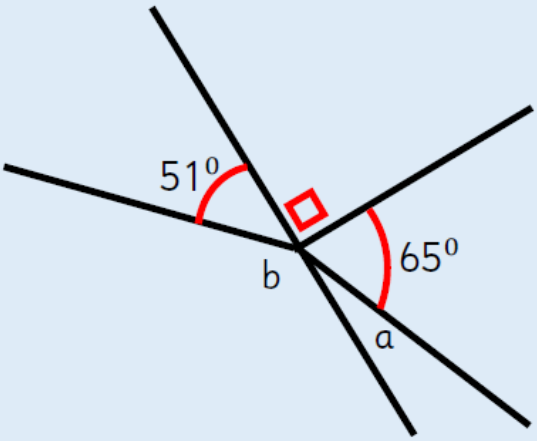
$a =$ ☐ ° $b =$ ☐ °

How can you use your knowledge of angles on a straight line to help you calculate angles around a point?



a = ☐

b = ☐



a = ☐

b = ☐