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### Measuring angles with protractors

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Alexis Richardson

For 7<sup>th</sup> Grade Math

Measuring angles with protractors

Objectives: To teach students how to measure angles using a protractor within one degree

EQ: How do you measure angles using a protractor?

Materials:

Protractors

Angles worksheet

Smartboard

LCD projector

Internet - [www.amblesideprimary.com/ambleweb/mentalmaths/protractor.html](http://www.amblesideprimary.com/ambleweb/mentalmaths/protractor.html)

Computer

Using the internet, smartboard, and LCD projector, I would go onto the website called [www.amblesideprimary.com/ambleweb/mentalmaths/protractor.html](http://www.amblesideprimary.com/ambleweb/mentalmaths/protractor.html). Using that site I would introduce how to measure angles using a protractor. I would have the students come up and work on the website using the smartboard. After giving a demonstration the students would get into groups of four and work on the worksheet. Review the worksheet.

Students:

Students will come up to the smartboard during the demonstration. Afterwards the students will work in groups of four on a worksheet.

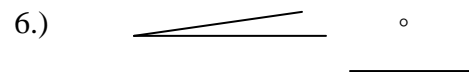
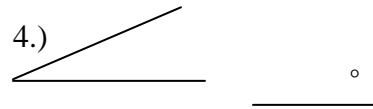
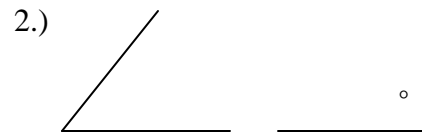
Assessment

Students will be scored 16 points for group cooperation and class participation. Each angle measure is 14 points and for every degree they are off they will two.

Name \_\_\_\_\_  
Angles Worksheet

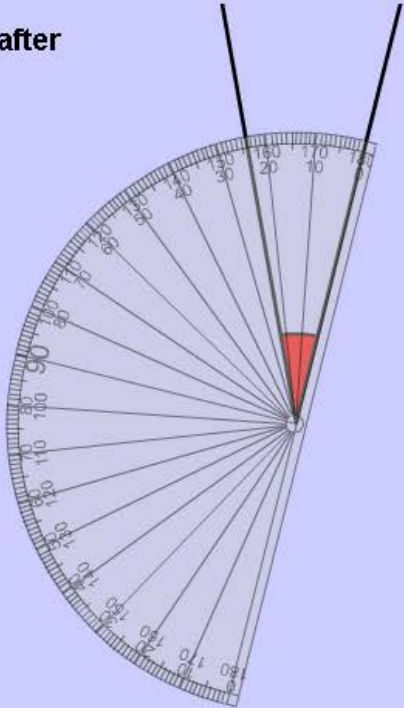
Homebase \_\_\_\_\_

Directions: Using a protractor, measure each angle.



You've got 1 correct after 7 attempts.

Up to 180 degrees in ones

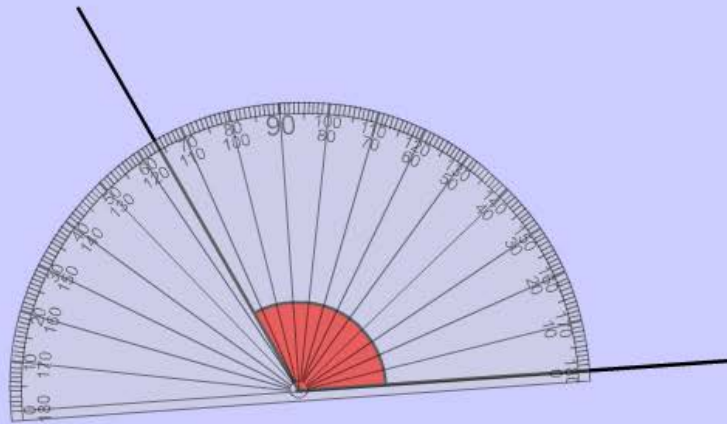


TEACHER CONTROLS    NEW ANGLE        WELL DONE! Try another one.    CHECK

TURN THE PROTRACTOR  
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You've got 3 correct after 10 attempts.

Up to 180 degrees in ones

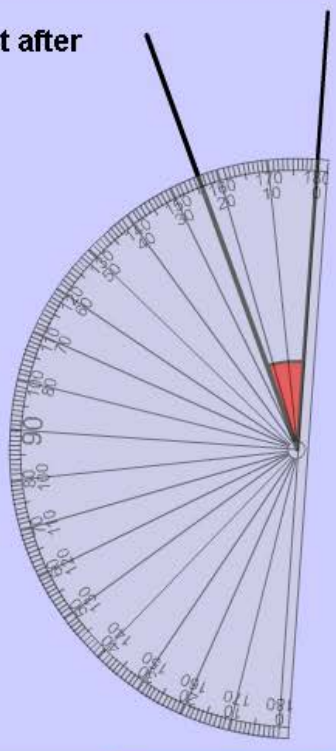


TEACHER CONTROLS    NEW ANGLE     $1^\circ$   $5^\circ$   $20^\circ$   $20^\circ$   $5^\circ$   $1^\circ$      WELL DONE! Try another one. CHECK

TURN THE PROTRACTOR  
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You've got 2 correct after 8 attempts.

Up to 180 degrees in ones



TEACHER CONTROLS    NEW ANGLE     $1^\circ$   $5^\circ$   $20^\circ$   $20^\circ$   $5^\circ$   $1^\circ$      **WELL DONE!**  
 CHECK    Try another one.

TURN THE PROTRACTOR  
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