

Order these angles from smallest to biggest



- 12 degrees
- 19 degrees
- 270 degrees
- 117 degrees



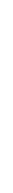
- Acute angle
- Obtuse angle
- Reflex angle
- Right angle



- 375 degrees
- $\frac{1}{4}$  of a turn
- $\frac{1}{2}$  of a turn
- 291 degrees

Recall

This lesson carries on from yesterday's lesson. So guided practice is the same But the questions on dive deeper 1 and 2 are more difficult. Don't worry if you find some of the questions difficult do the best you can. The most important thing is that you're safe and well and if you have any questions feel free to ask me.



Today we're going to be measuring angles with a protractor. I know this is difficult as many of you won't have a protractor but I've made it a lesson about estimating angles. Don't worry if you struggle just give it your best shot. You just need to remember all of the things you learnt yesterday.

Here's a few things to remember that will help you in intelligent practice and dive deeper.

An obtuse angle is any angle over 90 degrees and lower than 180 degrees

A right angle is an angle = to 90 degrees

An acute angle is an angle less than 90 degrees.

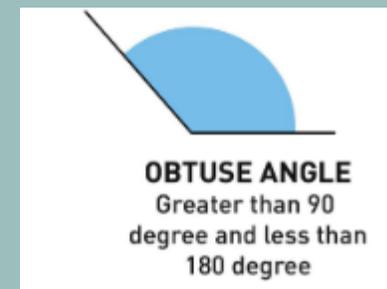
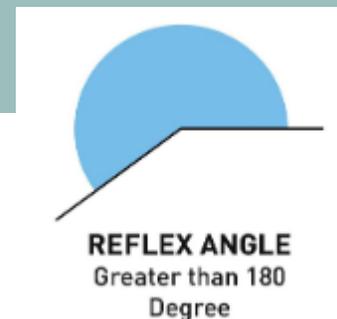
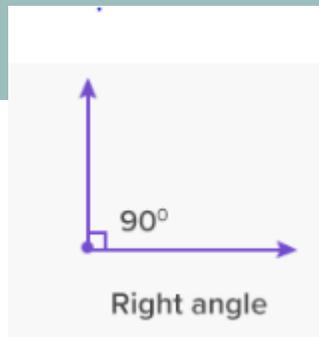
A reflex angle is an angle above 180 degrees

$\frac{1}{4}$  of a turn = 90 degrees

$\frac{1}{2}$  of a turn = 180 degrees

$\frac{3}{4}$  of a turn = 270 degrees

$\frac{1}{8}$  of a turn = 45 degrees



# Guided Practice

LO: estimating angles

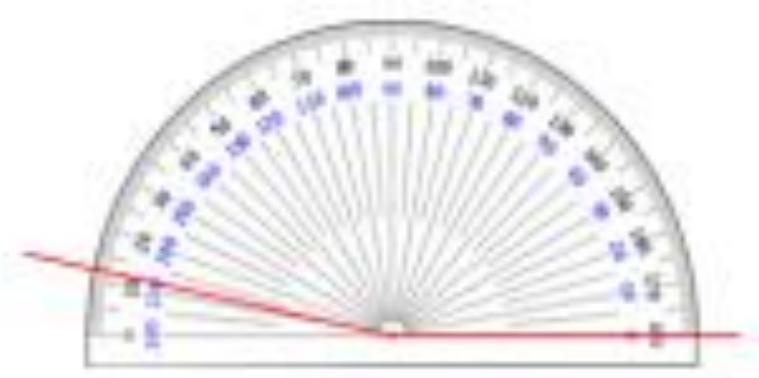
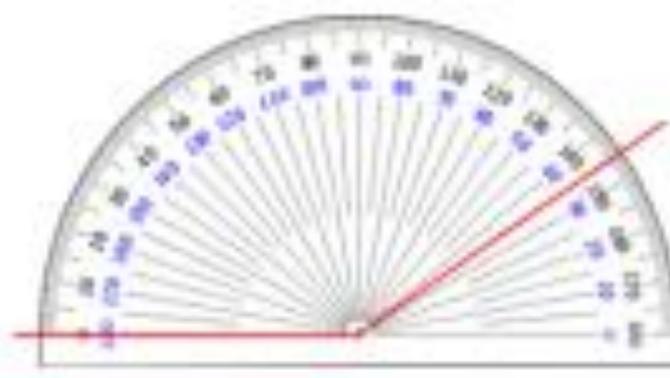
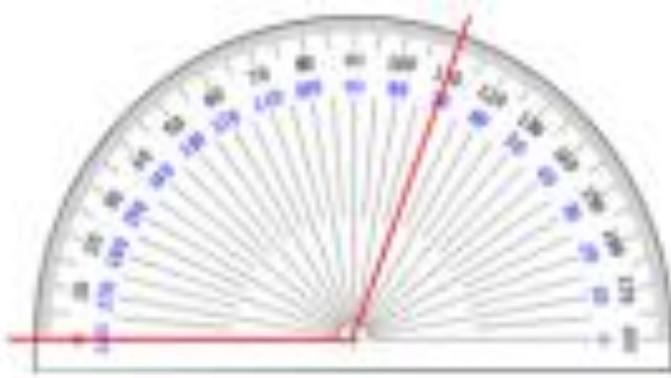
Some will locate and estimate the size of obtuse angles.

Some will find numerous solutions.

Most will spot the mistake.

All will estimate angles .

Learning Habit:  
discipline



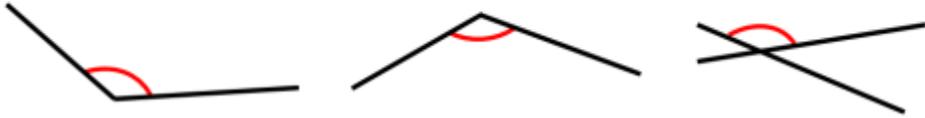
Estimate these angles

Intelligent  
practice.

# Dive Deeper

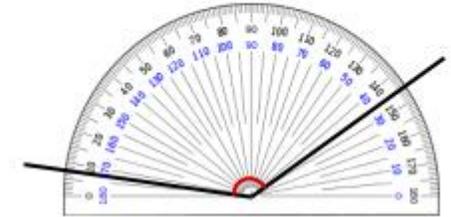
1)

Estimate the size of the angles and then use a protractor to measure them to the nearest degree.



2)

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



# Dive Deeper 2

How many ways can you make 130 degrees? For example  $150 - 20$ .

Identify obtuse angles in this image and estimate the size of the angles.

Identify obtuse angles in the image.  
Estimate the size of the angles, and then measure them.

