Geometry Concepts More Angles

We finished last class by measuring angles with a protractor. My guess is that most of you haven’t mastered it yet. If you have, you’re a superhero and we will give you a world-saving task. If not, let’s practice some more. After practicing we’ll learn to classify angles by their measure.

**Part 1 – More protractor practice**

Find the measure of the following angles in degrees:

$$∠DGE\\_\\_\\_\\_\\_\\_\\_\\_$$

$$∠CGE\\_\\_\\_\\_\\_\\_\\_\\_$$

$$∠CGD\\_\\_\\_\\_\\_\\_\\_\\_$$

$$∠CGF\\_\\_\\_\\_\\_\\_\\_\\_$$

$$∠CGA\\_\\_\\_\\_\\_\\_\\_\\_$$

$$∠DGF\\_\\_\\_\\_\\_\\_\\_\\_$$



What do you get when you add the measures of angles CGD and DGE?

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Next class we’ll learn what to call these angle buddies. Having a blast yet?!

**Part 2 – Classifying Angles**

Many of you already understand the concept of classifying angles but you may still learn a thing or two.

There are four types of angles we’ll be concerned with in this class. They are:

|  |  |  |
| --- | --- | --- |
| Angle type | Sketch | Description |
| Acute |  |  |
| Obtuse |  |  |
| Right |  |  |
| Straight |  |  |

**Part 3 - Angle scavenger hunt**

Your mission – Find as many angle types in the room and hall as you can. Describe the angle by it’s sides. For example, the joints on the floor tiles form right angles (they’re perpendicular)! Sorry, can’t use that one ☹.

Points will be awarded as follows:

Right angle – 1 point

Straight angle – 2 points

Acute angle – 4 points

Obtuse angle – 8 points

|  |  |  |
| --- | --- | --- |
| Angle description | Type of angle | Points |
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| Total Points |  |  |