Tuesday, April 23, 2019

• Warm-up (draw the triangles)

Jared is 4 ft tall and is 600 feet from the wind turbine that is 215 feet tall.
What is the angle of elevation for his line of site to the top?

tan(x) = 300 x = 19.375 x = 19.375 $\sqrt{8005} + \sqrt{800}$

A bird is 300 feet away from the wind turbine and has an angle of depression to the top of 40°. How far from the top of the wind turbine is he?

Objectives

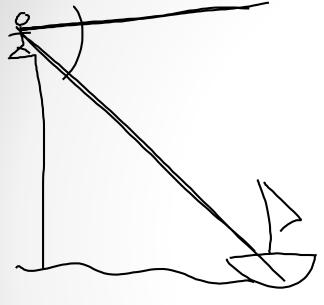
Content: I will <u>apply</u> **trigonometric ratios** to solving problems.

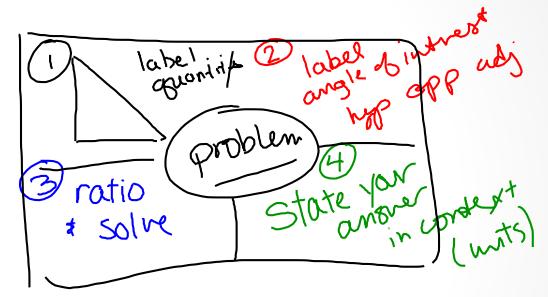
Social: I will <u>work</u> with another person to **interpret** a problem and work through to the solution.

Language: I will <u>read</u> questions carefully, using **hypotenuse**, **opposite** and **adjacent** correctly to label and solve a triangle.

Word Problems

Word Problems in the Round





Objectives

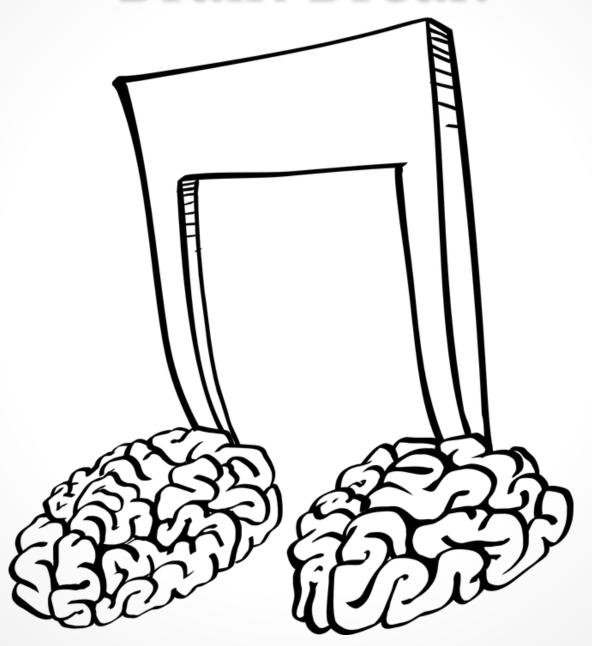
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4/23/2019 • 2

Brain Break



Word Problems in the Building

Objectives

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Social: I will <u>work</u> with another person to **interpret** a problem and work through to the solution.

Language: I will <u>read</u> questions carefully, using **hypotenuse**, **opposite** and **adjacent** correctly to label and solve a triangle.

4/23/2019 • 4