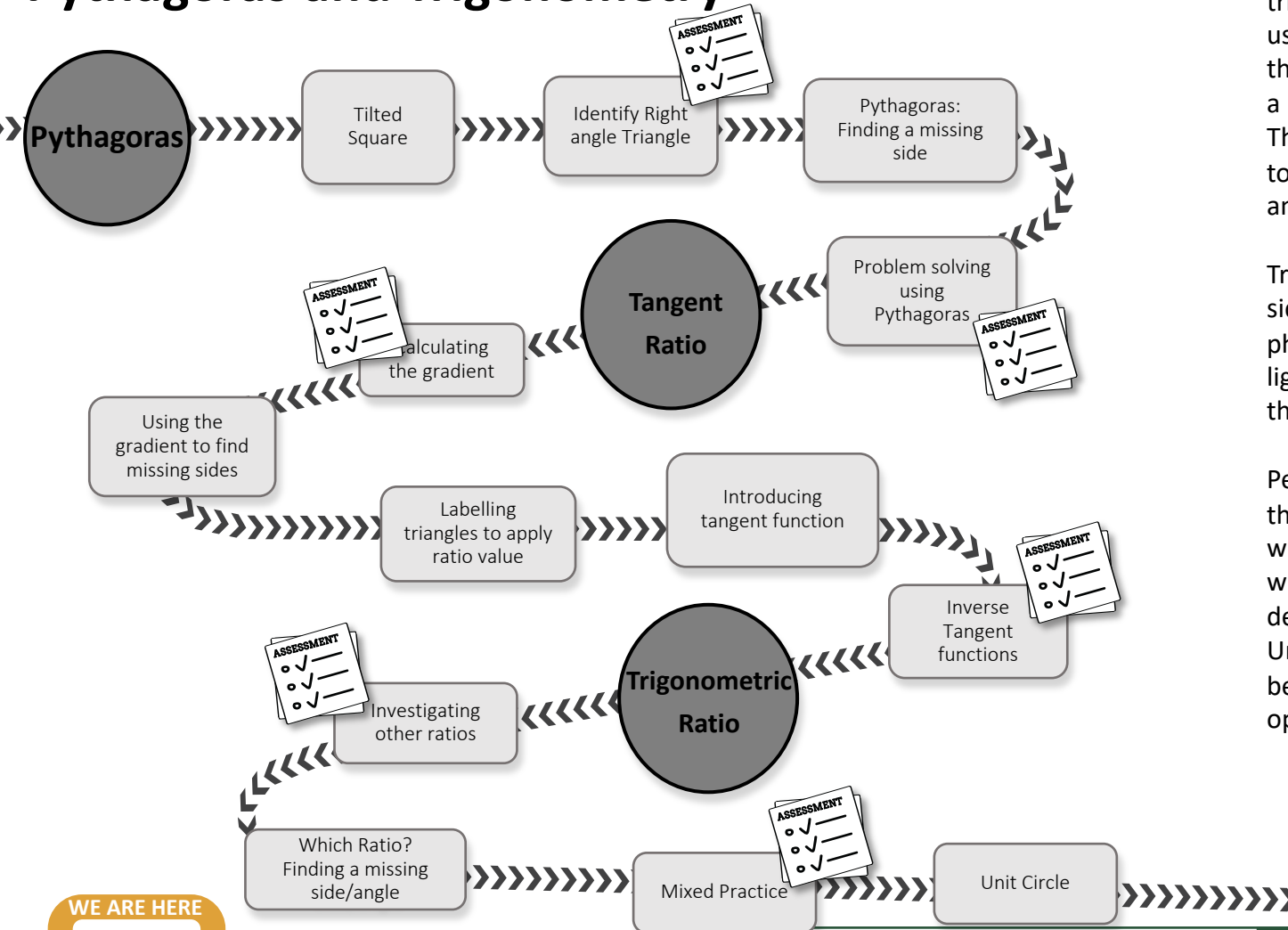




Pythagoras and Trigonometry



WE ARE HERE



VOCABULARY:

Hypotenuse,
Adjacent,
Opposite

Tangent,
Pythagoras

Learning Pythagoras' theorem and trigonometry is important because they are used in many real-world jobs. Pythagoras' theorem helps us understand how the sides of a right-angled triangle relate to each other. This is useful in architecture and engineering to make sure buildings and bridges are safe and stable.

Trigonometry, which deals with angles and sides of triangles, is used in many areas like physics and engineering to study waves and light. It also helps pilots and sailors figure out their positions and plot their courses.

People who need to know Pythagoras' theorem and trigonometry include engineers who design buildings and machines, surveyors who measure land, and computer game designers who create realistic graphics. Understanding these math concepts is crucial because it opens up many exciting career opportunities in science and technology.

TUDOR HABITS AND VALUES

This half term you will develop your perseverance, patience, and problem-solving skills. You will have to pay attention to detail and think strategically as you link previous concepts and apply them to multi-step problems.