

TOPIC : PYTHAGOREAN THEOREM

Class Length :50 minutes

Objectives of the Lesson

1. Students are able to apply Pythagorean Theorem when the conditions are matched.
2. Students understand how to prove the Pythagorean Theorem.

Lesson preparation items:

1. Lesson slides (provided)
2. Create classroom [YoTeach!](#) backchannel chatroom
 - a. E.g.: <https://yoteachapp.com/SSMATH1>, password: apple
3. Prepare Realtimeboard with Pythagorean Theorem
 - a. E.g.: https://miro.com/app/board/ogJ_ku_3sDk=/
4. Setup [Badaboom!](#) game quiz
 - a. Question folder ID: [folder_5e7c083a3b71540017c86c8f](#)

Lesson Stage	Content / Topic	Activity / Tool	Class / Group / Individuals	Time
Engage student interest	Right Triangles	YoTeach: To ask students to identify which triangle(s) are right-angled	Individuals	5 minutes
Introduce and discuss concepts	Pythagorean Theorem	Lesson Slides: Pythagorean Theorem	Class	10 minutes
Apply and explore concepts	Pythagorean Theorem proof	Realtimeboard: To ask students to collaboratively complete the online worksheets to prove the Pythagorean Theorem	Groups	15 minutes
Introduce and discuss concepts	Converse of the Pythagorean Theorem and Pythagorean Triples	Lesson Slides: Pythagorean Theorem	Class	10 minutes
Review concepts	Pythagorean Theorem questions	Badaboom: To check students' understanding with interactive questions	Groups	5 minutes
Self-reflect on lesson		YoTeach: Students to write or type what they have learnt	Individuals	5 minutes