

Pythagorean Theorem Word

Problems

solve a solve a solve a skip ahead solve a back START problem! problem two spaces | problem! three problem! spaces ahead solve a skip ahead back solve skip ahead problem! two spaces three two spaces proble Pythagorean back Theorem solve back solve a solve a two back problem! problem spaces problem! three spaces solve solve solve a HSINI solve a go back а problem problem! problem! two spaces problem solve ahead back ahead three two three problemi spaces solve a solve a solve a skip ahead solve a solve a back problem! problem! two spaces problem! problem! three problem!

A new home has a roof that has a slope that measures 26 feet long on both sides. The peak of the roof is 9 feet tall. What is the width of the

A baseball diamond creates a square with 90 feet between each plate. If the catcher throws from home plate to 2nd base, how far will the ball

Ellie is helping build a new community service projec start 7 feet from the ba

A rectangular yard measi ft. When the grass is mo likes a diagonal pattern in awn mowing company star one corner to another, dic

SCROLI to take a look inside!

The diagonal of a re 37cm with a width of Izam. What is the perimeter of the rectangle?

Math Skils Included:

A tennis court is 78 feet long and 27 feet wide. What is the length of the diagonal?

A new home has a roof that has a slope that measures 26 feet long on both sides. The peak of the roof is 9

Theorem 16 of the state of the proposed of the state of the proposed of the state o

World Company of feet

A sheet of printer paper is 8.5 inches wide and II inches tall. Find the piece of paper.

A football field is 120 yards long and 53.3 yards wide. During summer practice the players must run from one corner to another in conditioning. How far do the players run?

A rectangular yard measures 16 ft by 30 ft. When the grass is moved the owner likes a diagonal pattern in the yard. If the lawn mowing company starts mowing from ne corner to another, diagonally across

start 7 feet from the base of the deck.

The diagonal of a rectangle is

37cm with a width of 12cm. What

is the perimeter of the rectangle?

Ellie is helping build a new staircase as a

community service project. The staircase

will reach up to a 5 foot high deck and will

A right triangle with leg lengths of 10cm and 12cm. What would the measure of the hypotenuse be?

A standard four square game is played inside of a 10 foot square. What is the measure of the diagonal?

Television screens are measured diagonally. If a Television is sold as a 65 inch and measures 50 inches across, what is the height of the television?

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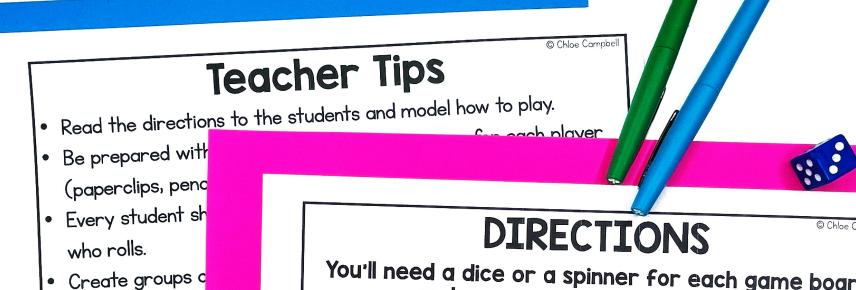


Printable Math Board Game





Receive



means the more

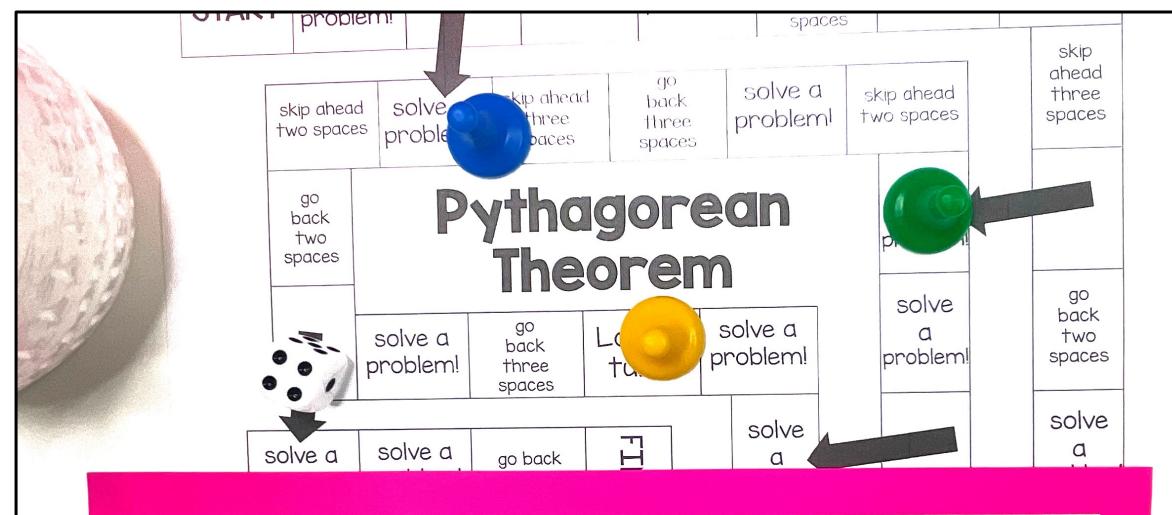
Remind students

just an added

You'll need a dice or a spinner for each game board and a game piece for each player.

The person whose name comes first in alphabetical order will play first in the game. Roll the die and move that number of spaces on the game board. Each person will solve the problem on their own recording sheet. Everyone will double check their answers with each other. If you have the same correct answers, the next person should roll the die. If you have different answers, discuss it with your team. Find a mistake in your work or try to solve the same problem again, then the next player may go.

If you land on a space with an arrow, you must solve the problem before moving to the next space. *If you finish early, play the game again.



Name:		ythagorean Theorem Recording Sheet	
1 11.4 ft	2 13.9	3 82.5 ft	4 16.6 Ft
5 22.6 ft	6 41.5in	7 583.1 yd	8 6.9 Ft
9 11.2cm	10 \8 in	15.6cm	14.1 ++
13	14	15	16

A ...

Student Recording Sheet

community service project. The staircase will reach up to a 5 foot high deck and will start 7 feet from the base of the deck.

How long will the staircase be?

20

A rectangular yard measures 16 ft by 30 ft. When the grass is mowed the owner likes a diagonal pattern in the yard. If the lawn mowing company starts mowing from one corner to another, diagonally across the yard how long is that first pass?

15

The diagonal of a rectangle is 37cm with a width of 12cm at is the perimeter of the langle?

A football field is 120 yards long and 53.3 yards wide. During summer practice the players must run from one corner to another in conditioning. How far do the players run?

The school needs to install a new flagpole. To install a 15 foot flagpole, 4 equal length will be staked to #

HAPPY TEACHERS SAID...

This was a hit during centers. All students were engaged, and better yet - learning! Love this!

My students love playing games and a simple, easy prep game like this is a great addition to math centers, early finisher activities, and review days.

These are great for small group stations! What a fun task card adaptation. Students get to play a fun and competitive board game, but they also get to practice learning. Plus, the recording sheet makes it easy to grade and monitor student progress; they aren't just playing they are actively learning and participating with evidence of ability. Great resource!

What's the Best Way to Use this Game?

- Math Centers or Stations
 - Whole Group Practice
 - Morning Work
 - Partner Activity
 - Early Finisher Tasks
 - Substitutes

Tips for Playing Math Games:

- Read the directions to the students and model how to play.
 - Be prepared with dice/spinner and game pieces for each player (paperclips, pencil top erasers, pieces from another game, etc.)
- Every student should solve every problem not just the person who rolls.
- Create groups of 2–4 students. The lower number of students means the more focused students are while playing.

Tips for Playing Math Games:

Remind students that the focus is not playing the game...that's just an added bonus! The focus should be on practicing the math skills.

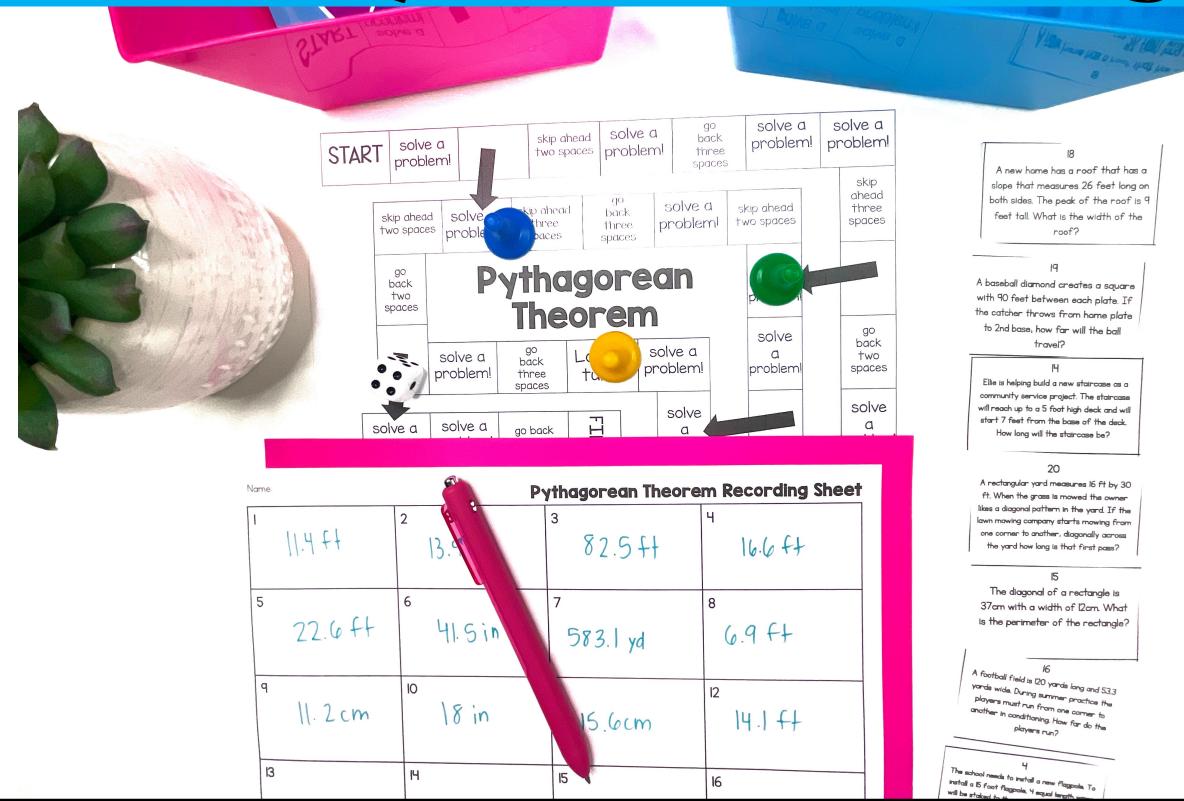
Show students how to compare and discuss answers. Did you both get the same answer? If students get different answers, ask them to solve the problem using a different strategy or help coach each other through the problem.

Why Board Games?

Research shows that challenge-based gamification in the classroom lead to an increase of 34.755% in student performance

(ScienceDirect, 2020).

Students won't even realize they are learning!



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achievement increase!

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