



# Pythagorean Theorem Word Problem Task Cards



*Created by Bethany @  
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# Pythagorean Theorem Word Problems:

Thank you for downloading this set of word problem task cards!

## Prepping the task cards:

- Print and cut out the question cards. I suggest printing on card stock and laminating for durability.
- Print out a recording page for each student.

## Ideas for using the task cards:

- Whole class-play "Scoot." To set up, place a card at various desks around the room. Each kid or partner group starts at a task card and solves the problem. After a few minutes, say "Scoot!" and kids then move to the next card. After completing all the cards, you can discuss the solutions as a class.
- Small groups-kids can take turns working on various problems and then compare answers
- Math center-if you have a word problem or skill practice center, these will make great practice
- Independent-if you have kids who need more practice with Pythagorean theorem, working through this set of word problems makes a great independent activity in class or as homework.

Find more fun ideas here: <https://minds-in-bloom.com/31-terrific-ways-to-use-task-cards-wi/>

And be sure to **print the answer key** for your convenience, or for students to check their answers after completing them!



A painter sets his ladder against the wall 7 feet above the ground. If the ladder is 3 feet from the base of the wall, how tall is the ladder?

**A**

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A fishing boat had to travel 4 miles east and 9 miles south to avoid a storm. How much further did they travel than their original route?

**B**

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Computer screens are measured by their diagonal. If a 13-inch Macbook has a height of 8 inches, how wide is the screen?

**C**

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An airplane lands at an airport 80 miles west and 30 miles north of where it took off. How far apart are the airports?

**D**

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Two ropes are used to stake a new tree. If they are each tied 3 feet up from the ground and 4 feet from the base of the tree. How many feet of rope do you need total?

**E**

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TVs are measured by their diagonals. If a 60 inch TV has a height of 24 inches, how wide is the screen?

**F**

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# Pythagorean Theorem Recording Page:

Directions: Draw a picture and solve each of the Pythagorean theorem problems in the chart below.

Task Card:	Picture/Visual:	Final Answer:
A		
B		
C		
D		
E		
F		





# Pythagorean Theorem Recording Page:

Directions: Draw a picture and solve each of the Pythagorean theorem problems in the chart below.

Answer Key

Task Card:	Picture/Visual:	Final Answer:
A		7.62 feet
B		Original path: 9.85 miles 13 miles around means 3.15 miles further
C		10.25 inches wide
D		85.44 miles apart
E		Each rope needs to be 5 feet, so 10 feet altogether
F		54.99 inches wide

