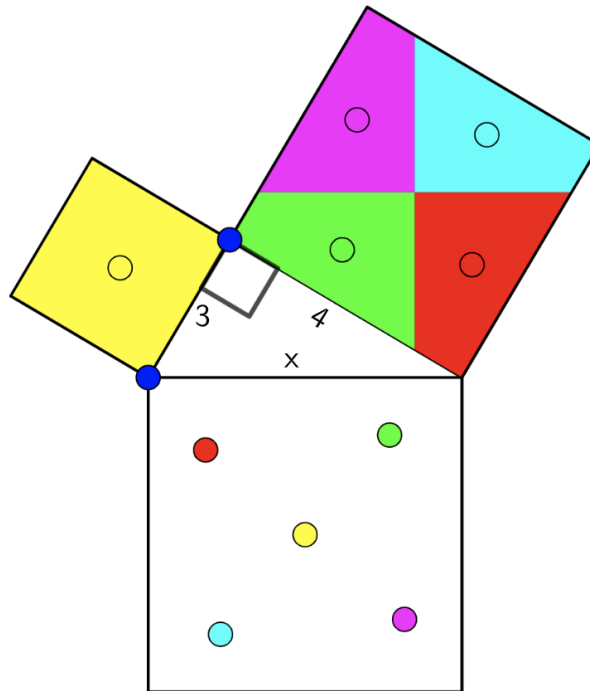


Task 1

Here, we have a right triangle with squares built off its sides.

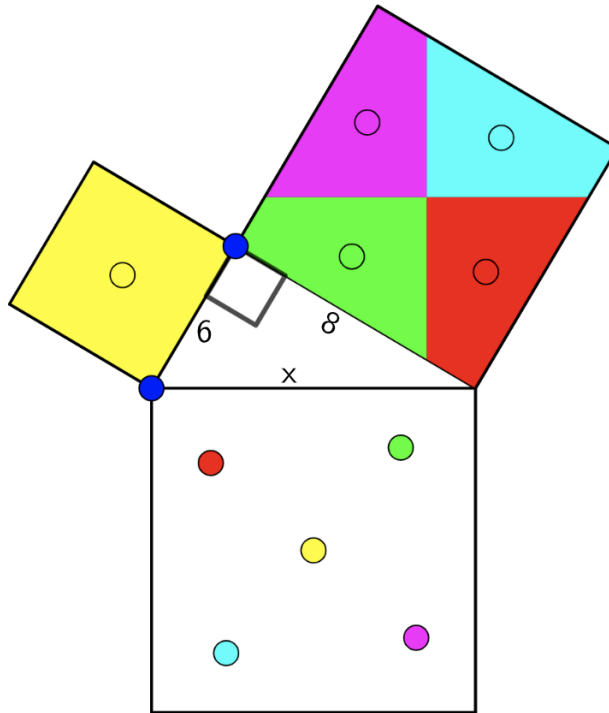


Given the information in the diagram above:

- 1) What is the area of the smallest square?
- 2) What is the area of the medium-sized square?
- 3) Given what you see [here in this GeoGebra app](#), what would the area of the largest square be?
- 4) Given your answer to (3), What would the side length (x) of the largest square be?

Task 2

Here, we have a right triangle with squares built off its sides.

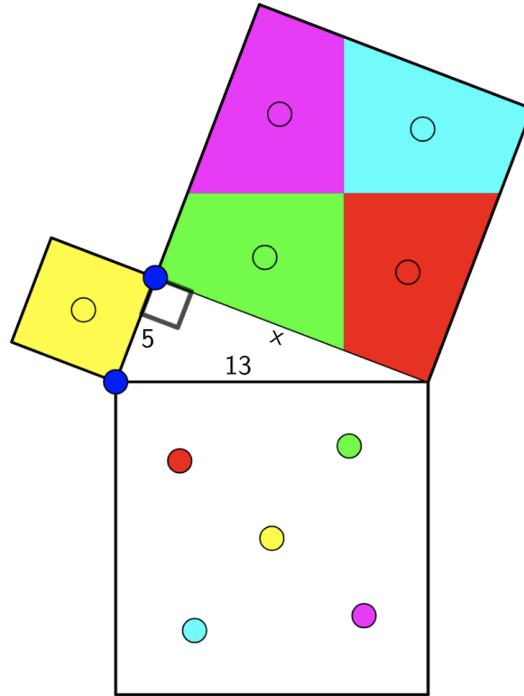


Given the information in the diagram above:

- 1) What is the area of the smallest square?
- 2) What is the area of the medium-sized square?
- 3) Given what you see [here in this GeoGebra app](#), what would the area of the largest square be?
- 4) Given your answer to (3), What would the side length (x) of the largest square be?

Task 3

Here, we have a right triangle with squares built off its sides.

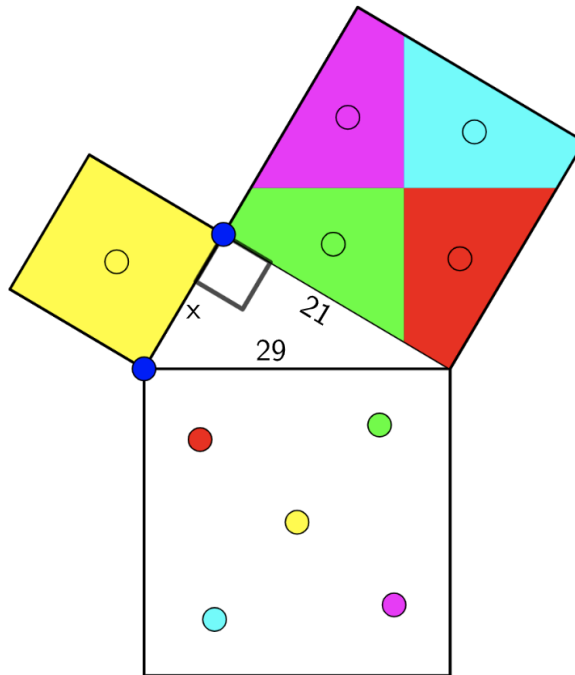


Given the information in the diagram above:

- 1) What is the area of the smallest square?
- 2) What is the area of the largest square?
- 3) Given what you see [here in this GeoGebra app](#), what would the area of the medium-sized square be?
- 4) Given your answer to (3), What would the side length (x) of the medium-sized square be?

Task 4

Here, we have a right triangle with squares built off its sides.

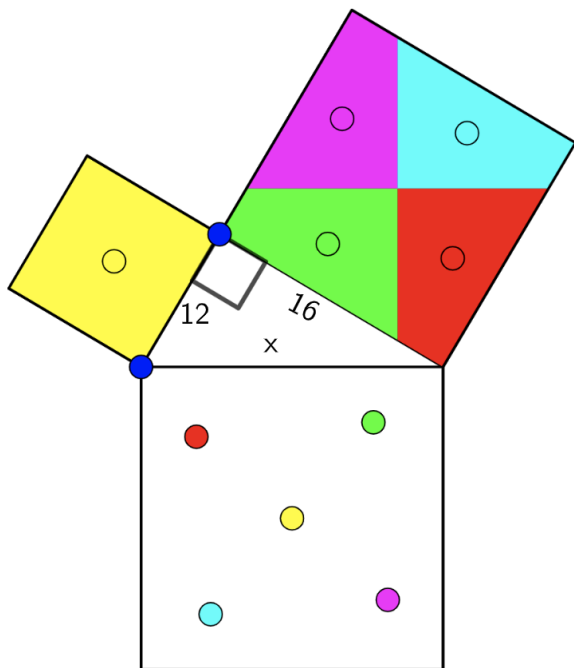
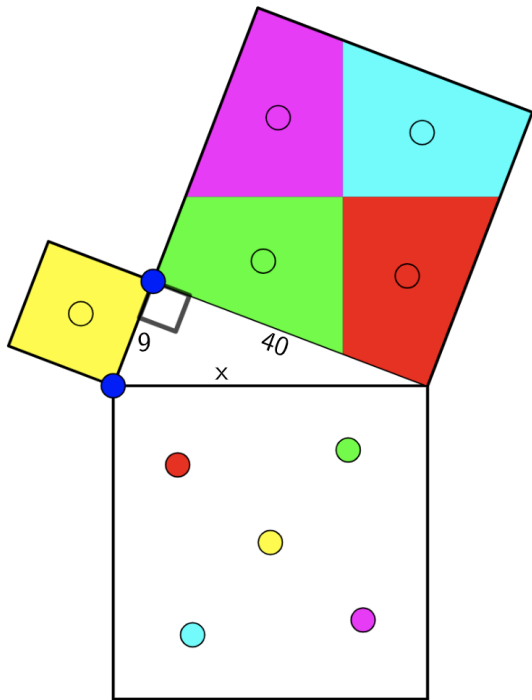


Given the information in the diagram above:

- 1) What is the area of the medium-sized square?
- 2) What is the area of the largest square?
- 3) Given what you see [here in this GeoGebra app](#), what would the area of the smallest square be?
- 4) Given your answer to (3), What would the side length (x) of the smallest square be?

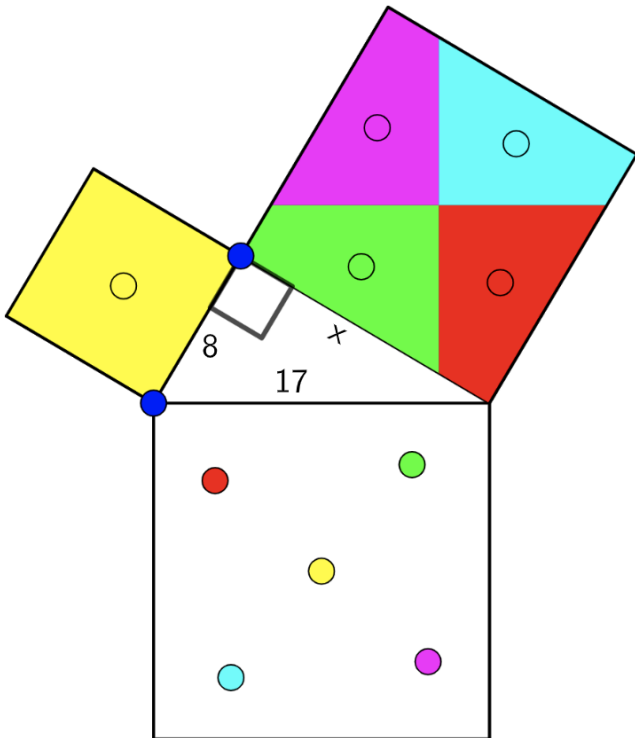
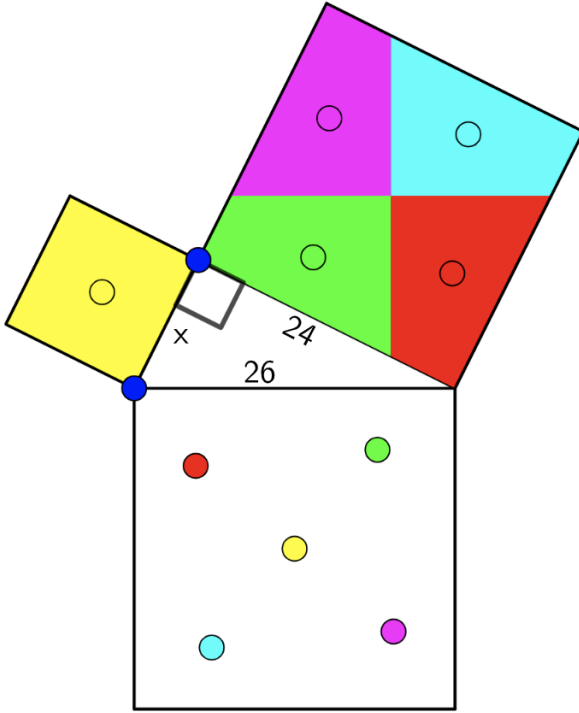
Task 5

Determine the missing side of each right triangle shown. Be sure to show (evidence) your thought process along the way!



Task 6

Determine the missing side of each right triangle shown. Be sure to show (evidence) your thought process along the way!



Task 7

Determine the missing side length of each right triangle shown below. Be sure to show (evidence) your thought process along the way!

