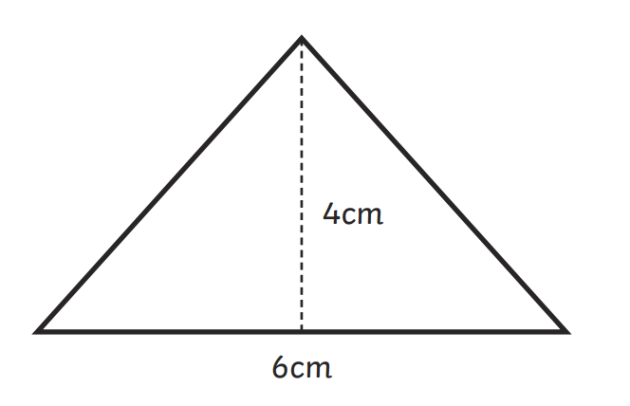
Name:

Spark Inquiry Test

Answer the following short answer questions, please show your work

1. Find the length of the hypotenuse.



1. Solve. State your solution as an improper fraction.
2. There are 5 different colours of paper in a package. If there are 3 sheets of red paper, 5 sheets of yellow, 7 sheets of green, 6 sheets of blue, and 4 sheets of orange paper. What are the chances of drawing either a green sheet of paper or a blue sheet of paper? Express your answer as a percentage.
3. 3 sheets of green paper, 1 sheet of blue, and 1 sheet of yellow paper were drawn out. Now what is the chance of drawing a green or blue sheet of paper? Express your answer as a percentage.

4. Solve for x:

5. If Amelia has a square apartment with an area of 36m, what is the side length of the apartment?

6. Find