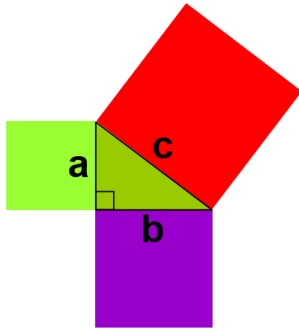


Pythagorus' Thereom

It is called "Pythagoras' Theorem" and can be written in one short equation:

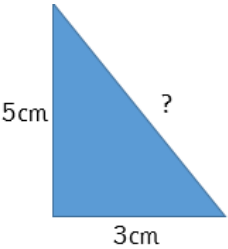
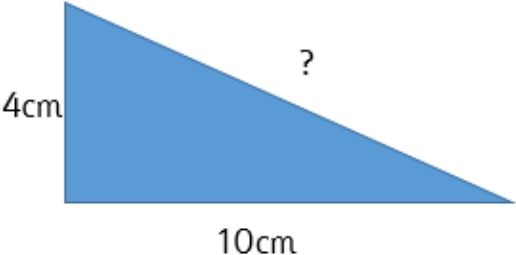
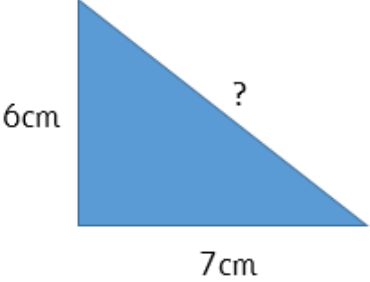
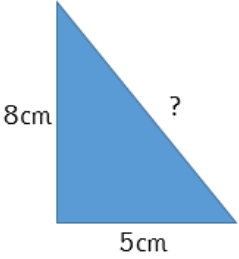
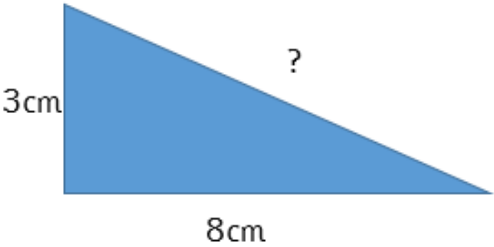
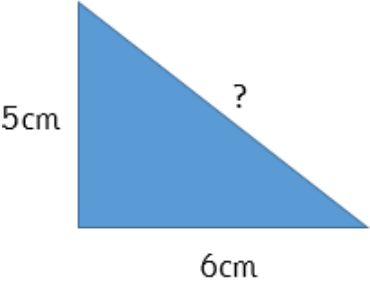
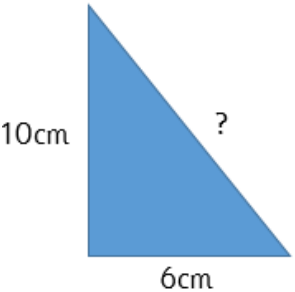
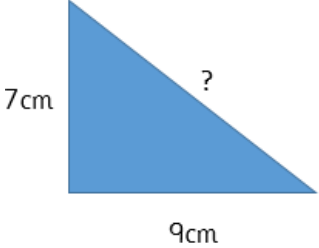


$$a^2 + b^2 = c^2$$

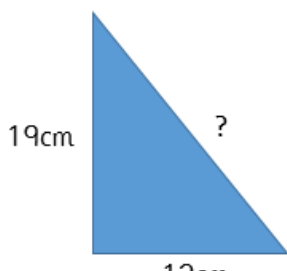
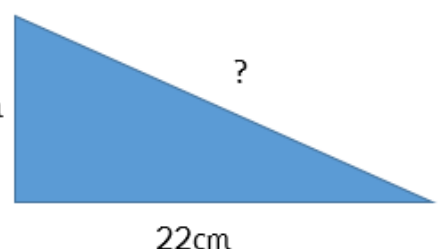
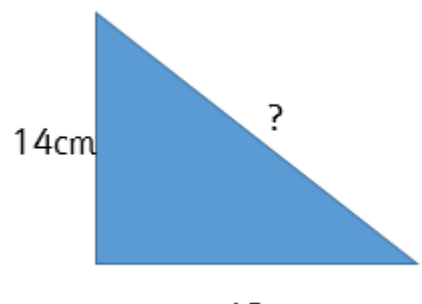
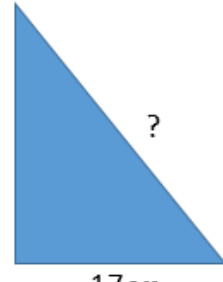
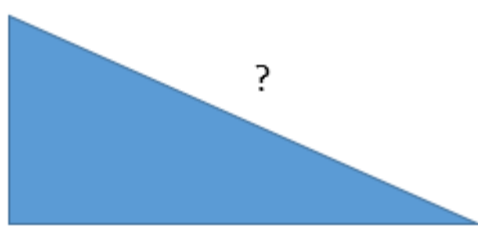
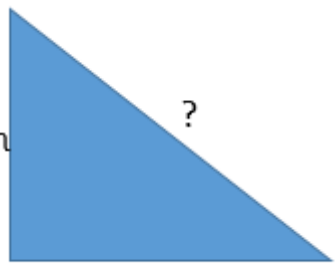
$$a^2 + b^2 = c^2$$

For all the answers today, you can write your answer as a square root e.g. $\sqrt{321}$ unless you have a calculator in which case you will be able to work out each answer exactly.

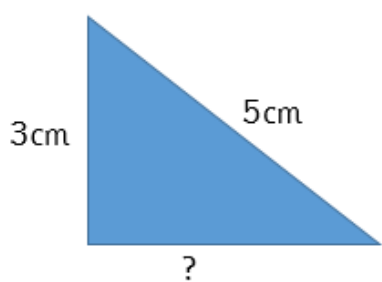
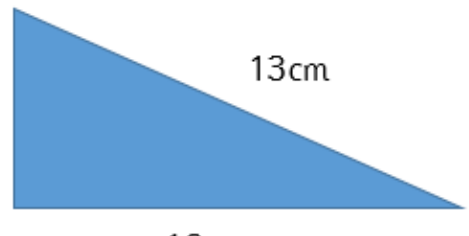
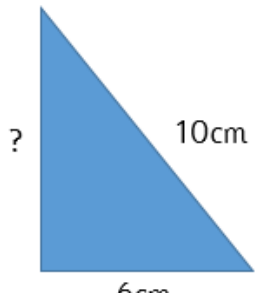
CHALLENGE 1

1. 	2. 
3. 	4. 
5. 	6. 
7. 	8. 

CHALLENGE 2: You will need to use your written multiplication method to work out the following

1. 	2. 
3. 	4. 
5. 	6. 

CHALLENGE 3: Be careful as you now have the longest side – you will need to use the inverse!

1. 	2. 
3. 	4. 