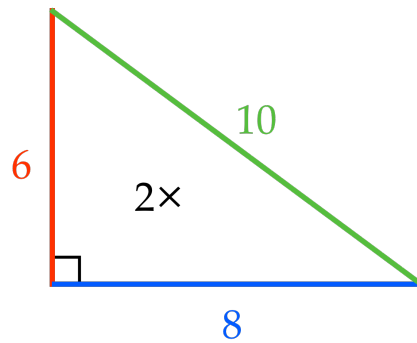
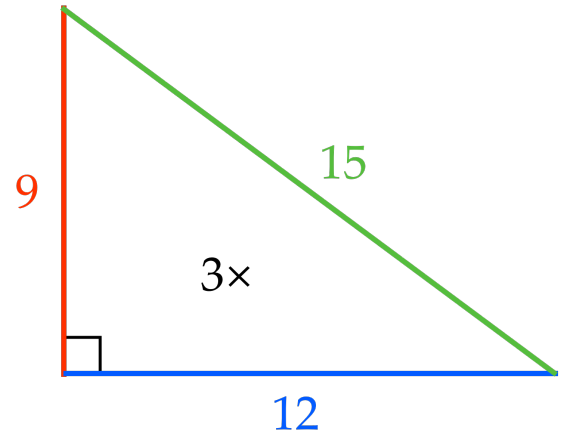


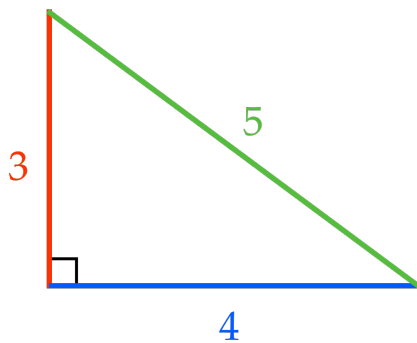
$$\begin{aligned}3^2 + 4^2 &= 5^2 \\9 + 16 &= 25 \\25 &= 25\end{aligned}$$



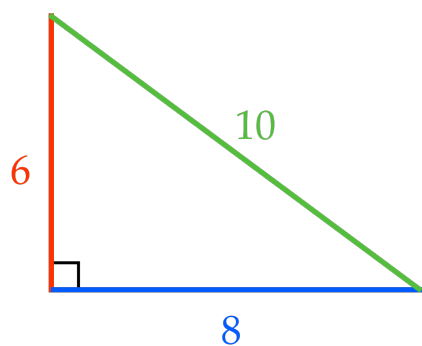
$$\begin{aligned}6^2 + 8^2 &= 10^2 \\36 + 64 &= 100 \\100 &= 100\end{aligned}$$



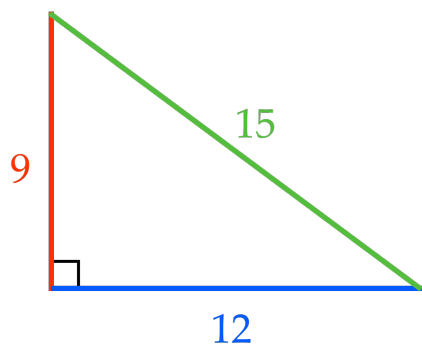
$$\begin{aligned}9^2 + 12^2 &= 15^2 \\81 + 144 &= 225 \\225 &= 225\end{aligned}$$



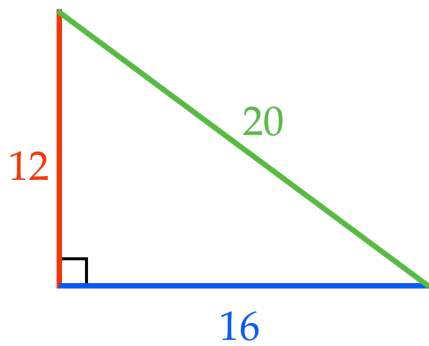
original 3-4-5 right triangle
2x 6-8-10 right triangle



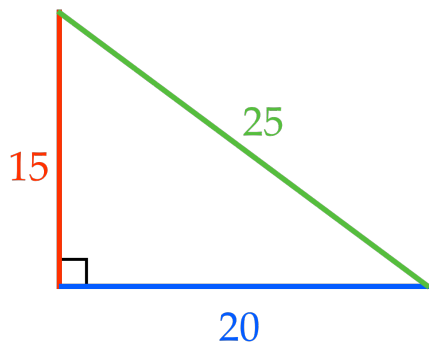
original 3-4-5 right triangle
 2× 6-8-10 right triangle
 3× 9-12-15 right triangle



original 3-4-5 right triangle
 2× 6-8-10 right triangle
 3× 9-12-15 right triangle
 4× 12-16-20 right triangle



- original 3-4-5 right triangle
- 2× 6-8-10 right triangle
- 3× 9-12-15 right triangle
- 4× 12-16-20 right triangle
- 5× 15-20-25 right triangle



- original 3-4-5 right triangle
- 2× 6-8-10 right triangle
- 3× 9-12-15 right triangle
- 4× 12-16-20 right triangle
- 5× 15-20-25 right triangle

We know all these triangles will be right triangles, because their side ratios are always
3 to 4 to 5

3-4-5 is known as a Pythagorean Triple because this ratio will always create a right triangle.

original	3-4-5 right triangle
2×	6-8-10 right triangle
3×	9-12-15 right triangle
4×	12-16-20 right triangle
5×	15-20-25 right triangle
6×	18-24-30 right triangle
7×	21-28-35 right triangle
8×	24-32-40 right triangle