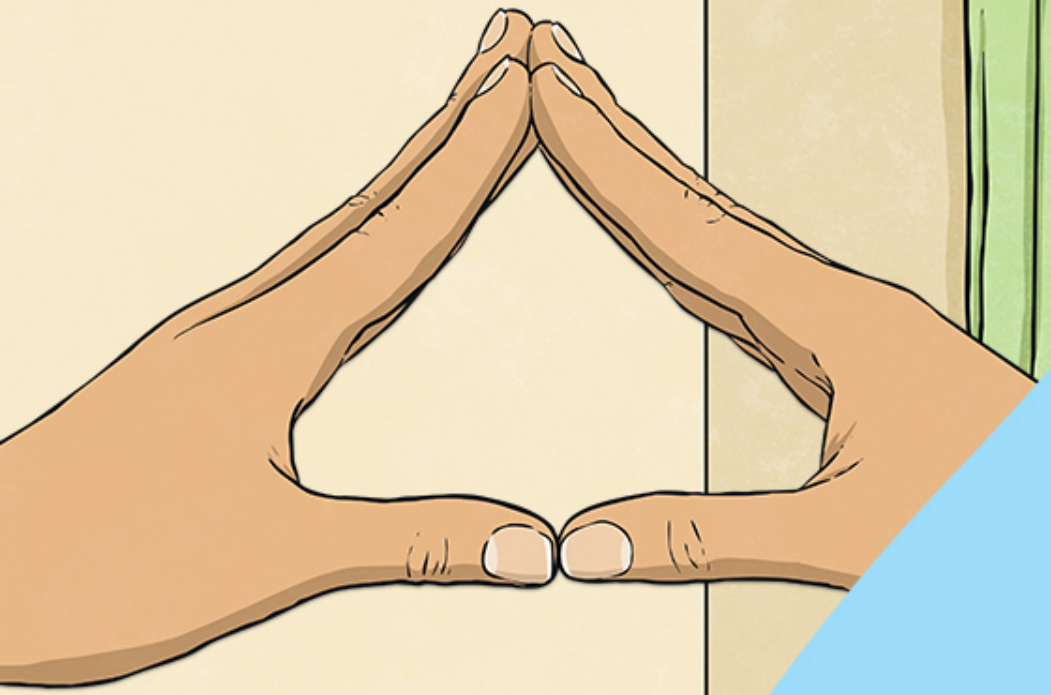
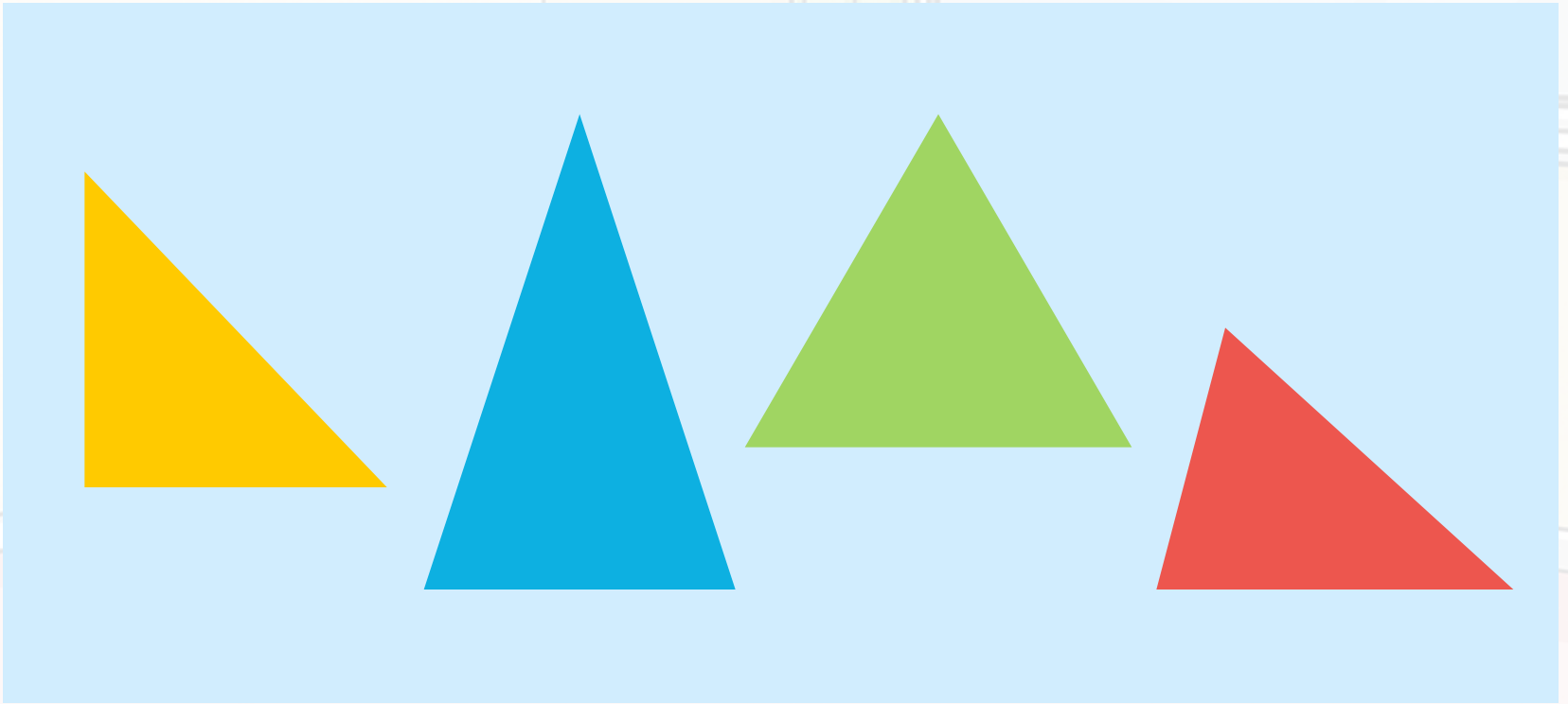
Diving into Mastery



Triangles

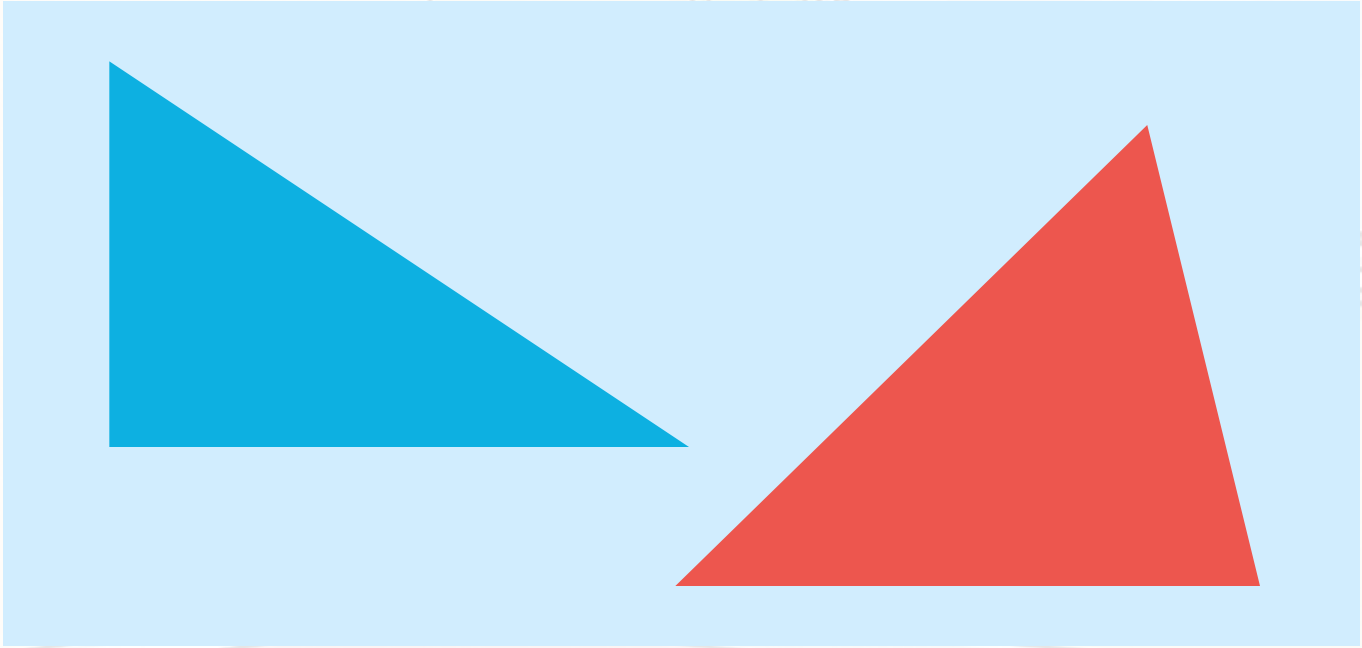
Triangles | Diving

Which triangle is equilateral?
Isosceles?
Scalene?
Right-angled?



Triangles | Diving

Name these triangles:

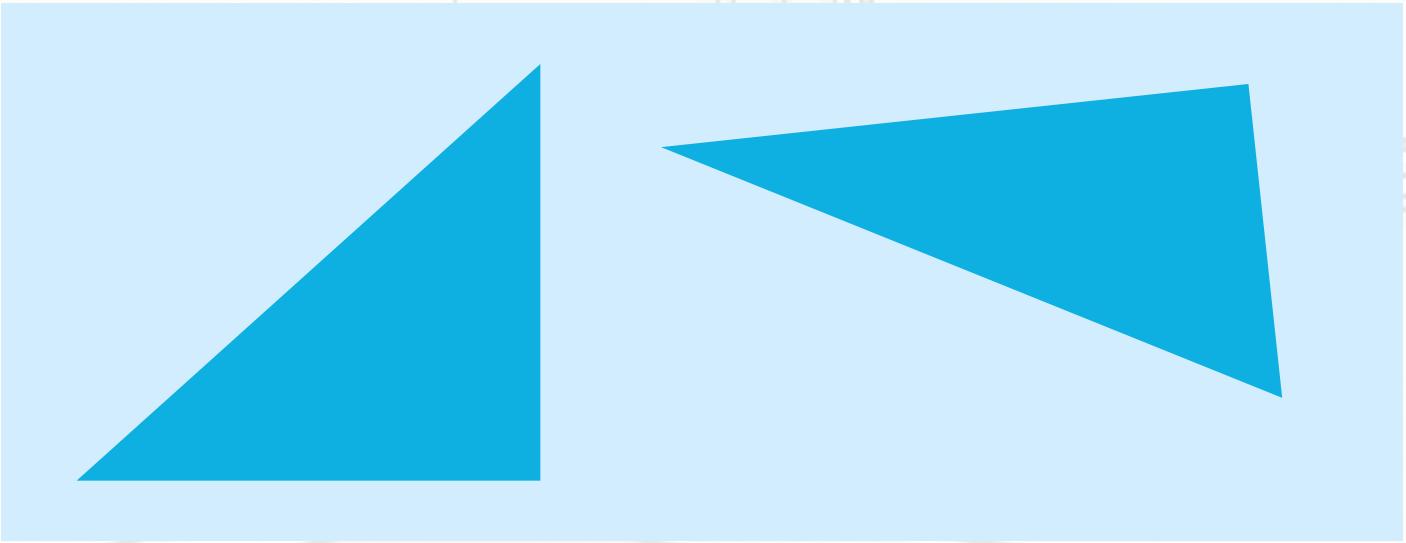


right-angled

scalene

Triangles | Deeper

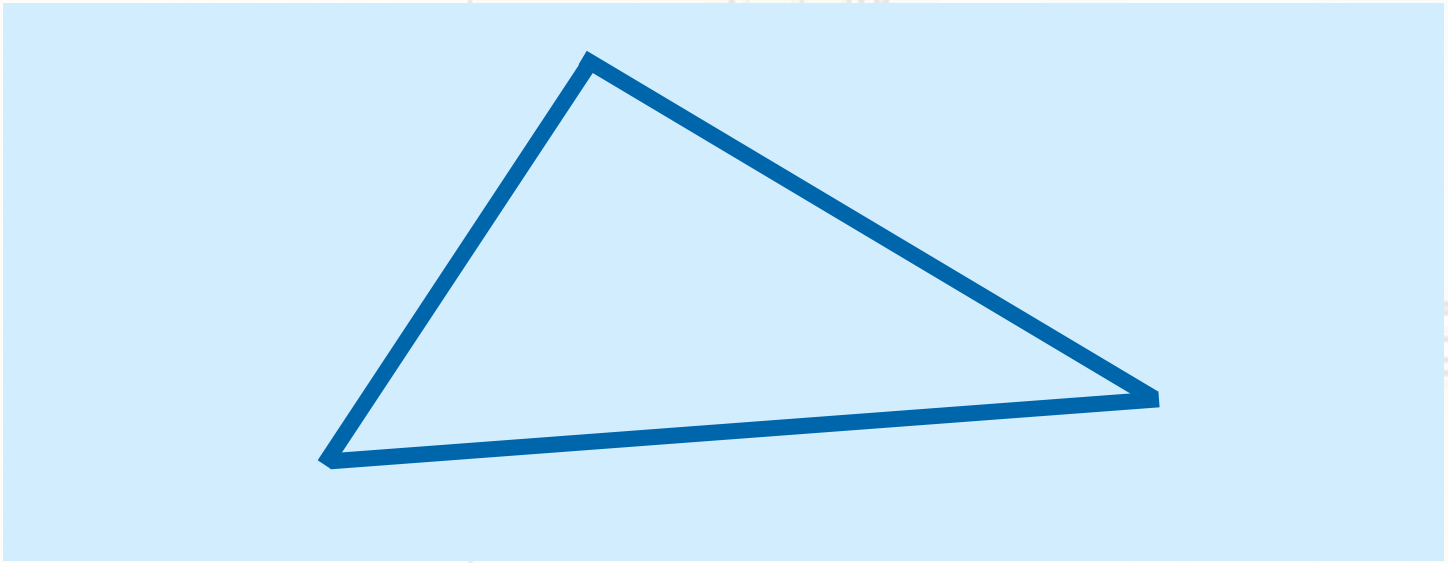
What do these triangles have in common?
What is different about them?



They are both right-angled triangles.
One is also an isosceles triangle.

Triangles | Deepest

How could I draw two more sides to make a scalene triangle?

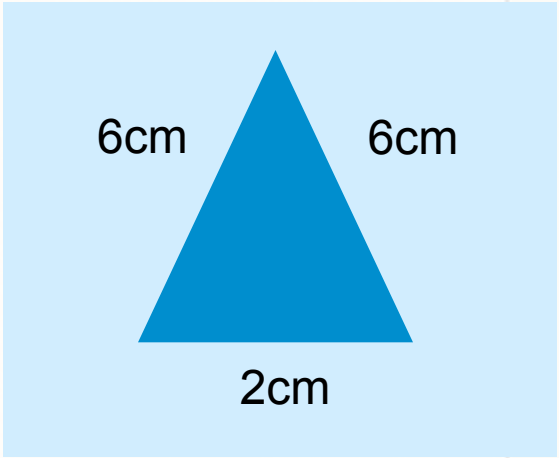


If this line was 6cm long and I used it as one of my equal length sides in an isosceles triangle, can you work out the length of one other side? How?

6cm! Isosceles triangles have two equal length sides.

Triangles | Deepest

If I draw an isosceles triangle with sides that are whole numbers and add up to 14cm, it has to have these measurements:



Is this correct?

What other isosceles triangles could have sides which equal 14cm?