

What's Going On?

Checking In

Minds on

Labelling a Triangle

Action!

Computer Investigation

Consolidation

Follow-Up Questions

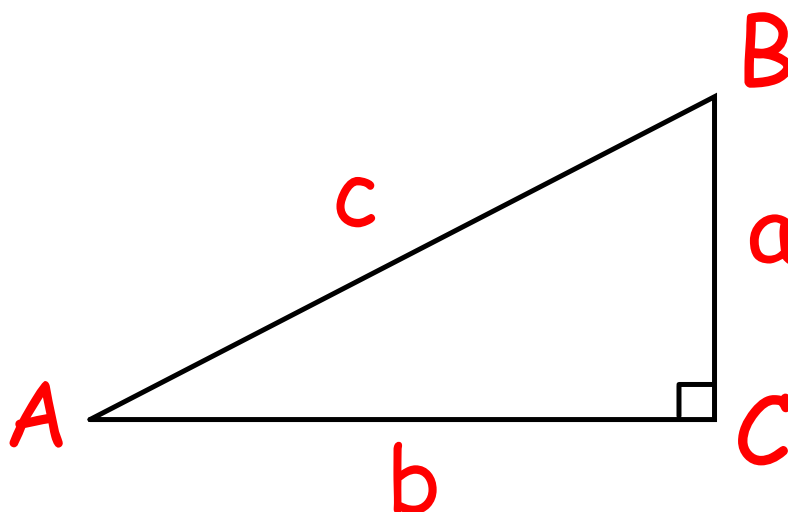
Learning Goal - I will determine the sine, cosine and tangent ratios for right triangles.

Minds on

Labelling a Triangle

When we deal with triangles, we need to be able to properly label all of the sides and all of the angles.

Angles are labelled with capital letters, sides are labelled with lower case letters. We always label sides based on their OPPOSITE angles.



Minds on

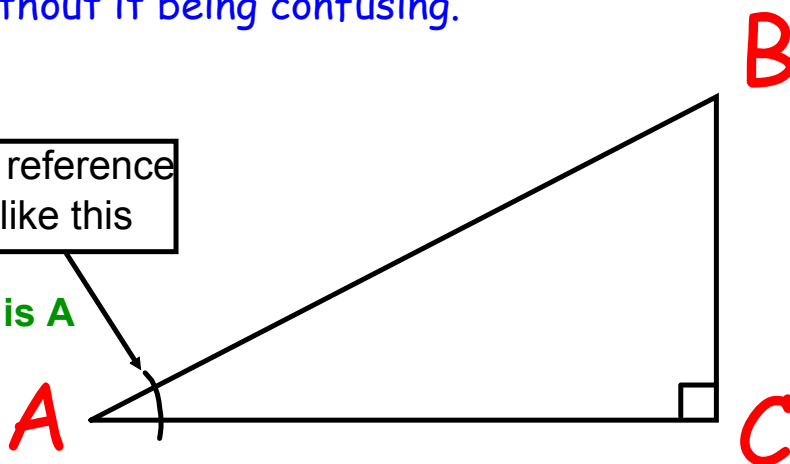
Reference Angles

When we are exploring right triangles, we typically have what is called a reference angle.

We use a reference angle so that we can easily talk about different sides of the triangle without it being confusing.

We usually identify our reference angle with a little mark like this

Our reference angle is A



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Reference Angles

Once we have chosen our reference angle we can refer to the three sides of a right triangle as the:

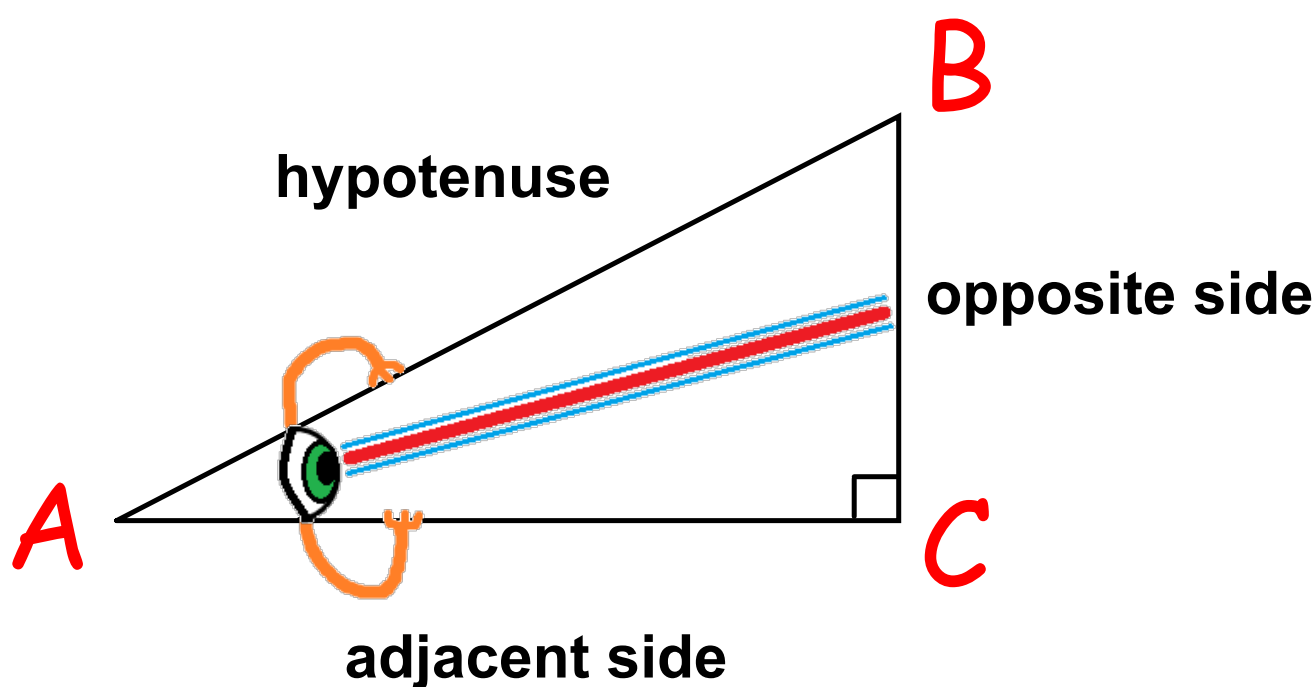
opposite side

adjacent side

hypotenuse

Minds on

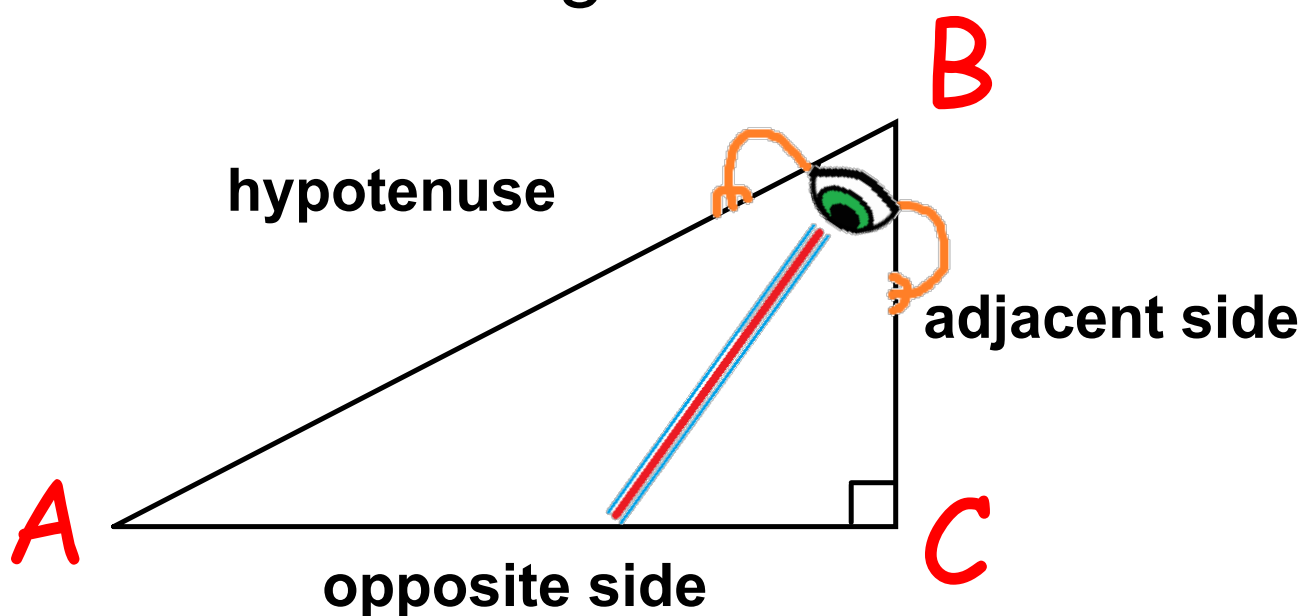
The Angle Monster



The angle monster always looks at his opposite side and hugs his adjacent side and his hypotenuse.

Minds on

The Angle Monster



The angle monster always looks at his opposite side and hugs his adjacent side and his hypotenuse.

**NEVER USE THE RIGHT
ANGLE (90°) AS A
REFERENCE ANGLE!!!!**