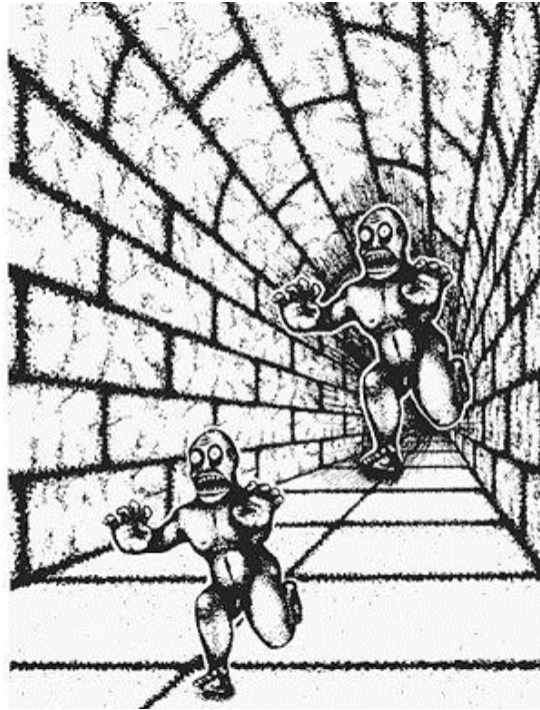
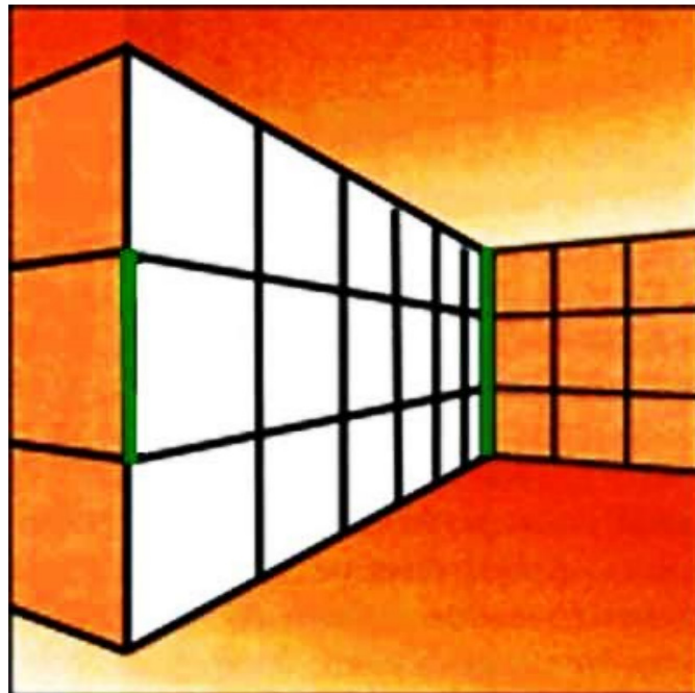


Which monster is larger?



Which green line is longer?



ARVO is the largest and most respected eye and vision research organization in the world, with nearly 10,000 members from more than 75 countries. Our mission is to advance research worldwide into understanding the visual system and into preventing, treating and curing its disorders. This is done through meetings, education, partnerships, fellowships and programs that drive collaboration, innovation and the advancement of eye and vision science with a goal of saving sight. Learn more at ARVO.org.

Answers

Which monster is larger?

They are the same. Or are they?

This is perspective illusion. When you look at the picture, your brain automatically makes changes to the two images so that they match the way things would look like in a 3D environment. The brain “fixes” this because it expects objects to look smaller when they are farther away, based on what it understands about how things should appear in the real world.

[Monster illusion](#)

Which green line is longer?

This is another perspective illusion. They are both the same length. This one is a geometric visual illusion called a Ponzo illusion, first demonstrated by Mario Ponzo, an Italian psychologist. The difference in length is based on our perception. Measure both lines to see for yourself.

[Ponzo illusion](#)