

Clear Learning Target

You will be able to use proportions to solve real world problems relating to scale and rate.

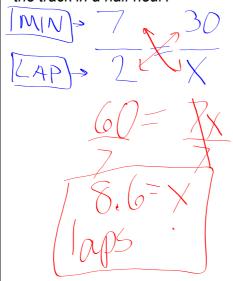
REAL-WORLD PROPORTIONS

RATE

Ratio of two measurements with different units

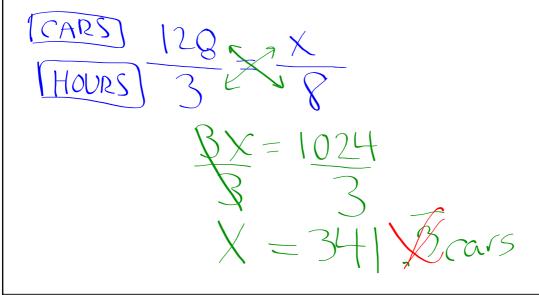
he price

Example #1: It takes 7 minutes for Melanie to walk around the gym track twice. At this rate, how many times can she walk around the track in a half hour?



You Try!

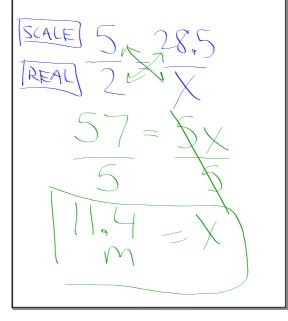
The B-Clean Car Wash washed 128 cars in 3 hours. At that rate, how many cars can they wash in 8 hours?



SCALE

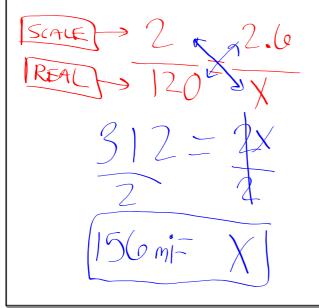
The relationship between the measurements on a drawing or model and the measurements of the real object

Example #2: On a model airplane, the scale is 5 centimeters = 2 meters. If the model's wingspan is 28.5 centimeters, what is the actual wingspan of the full size plane?



You Try!

On a map of Florida, the distance between Jacksonville and Tallahassee is 2.6 centimeters. If 2 centimeters = 120 miles, what is the distance between the two cities?



EXIT TICKET!

- 1. Haley ran the first 6 miles of a marathon in 58 minutes. If she is able to maintain the same pace, how long will it take her to finish the 26.2 miles?
- 2. In a road atlas, the scale for the map of Connecticut is 5 inches = 41 miles. What is the distance in miles represented by 2.5 inches on the map?