

STUDY LINK
5•6

Decimals, Fractions, and Mixed Numbers



1. Convert each decimal measurement to a mixed number.

Longest Road and Rail Tunnels in the U.S.	Decimal Length	Mixed-Number Length
Cascade Tunnel (Washington)	7.79 miles	_____ miles
Flathead Tunnel (Montana)	7.78 miles	_____ miles
Moffat Tunnel (Colorado)	6.21 miles	_____ miles
Hoosac Tunnel (Massachusetts)	4.7 miles	_____ miles
BART Transbay Tubes (San Francisco, CA)	3.6 miles	_____ miles

Source: *The Top 10 of Everything 2005*

2. The longest one-word name of any place in America is Chargoggagoggmanchauggagoggchaubunagungamaugg.

This name for a lake near Webster, Massachusetts, is 45 letters long. It is a Native American name that means “You fish on your side, I’ll fish on mine, and no one fishes in the middle.” Use this word to answer the problems below.

- a. What fraction of the word is made up of the letter *g*? _____ = _____
- b. What fraction of the word is made up of the letter *a*? _____ = _____
- c. What fraction of the word is made up of the letter *c*? _____ = _____

3. In the space above, write the decimal equivalents for the fractions in Problem 2.

Practice

4. $10 \overline{)7,146} \rightarrow$ _____ 5. $10 \overline{)84} \rightarrow$ _____ 6. $10 \overline{)675} \rightarrow$ _____