

ESS 110 Intro Geology: Map scale problems

1. You measure a 4.5-inch length of stream channel on a 1:50,000 scale topographic map.
What is the actual length of that stream reach in miles?

Known information:

Conversions:

Solution:

2. A geologic rock unit covers a length of 2 miles across part of the Cumberland Valley.
How long (in inches) is that length on a 1:24,000 topographic map?

Known information:

Conversions:

Solution: