

STUDY LINK
4•4

Railroad Tunnel Lengths



The table below shows the five longest railroad tunnels in the world.

Tunnel	Location	Year Completed	Length in Miles
Seikan	Japan	1988	33.46
Channel	France/England	1994	31.35
Moscow Metro	Russia	1979	19.07
London Underground	United Kingdom	1939	17.30
Dai-Shimizu	Japan	1982	13.98

Use estimation to answer the following questions.

1. Which two tunnels have a combined length of about 60 miles?

_____ and _____

2. Which of the following is closest to the combined length of all five tunnels?

Choose the best answer.

Less than 90 miles

Between 90 and 130 miles

Between 130 and 160 miles

More than 160 miles

3. Explain how you solved Problem 2.

4. About how many miles longer is the Channel Tunnel than the Moscow Metro Tunnel?

About _____ miles

Try This

5. The Cascade Tunnel in Washington State is the longest railroad tunnel in the United States. It is about $\frac{1}{4}$ the length of the Seikan. About how long is the Cascade Tunnel?

About _____ miles

Practice

6. $190 + b = 200$ $b =$ _____

7. $g - 500 = 225$ $g =$ _____