Converting Measures of Length - Step-by-Step Lesson
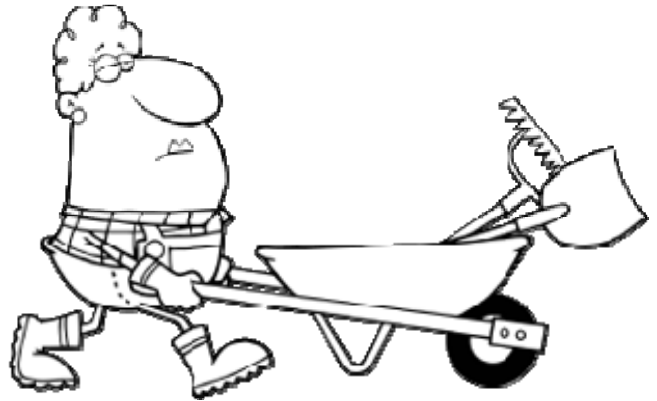
Convert:

12540 feet = _____ miles _____ feet

Explanation:

Step 1) 1 mile is much larger than 1 foot. Let's start by reviewing the number of feet in 1 mile. There are 5,280 feet in 1 mile.

Step 2) We can convert to miles by using a standard proportion.

We know that 5,280 feet = 1 mile

We want to know 12,540 feet = _____ miles

$$\frac{5,280}{12,540} = \frac{1}{x}$$

5,280 x = 12,540   Solve for x

$$X = \frac{12,540}{5,280}$$ x= 2.375 miles

Step 3) When we calculate 12540 ft = 2.375 mile. That means 2 miles.

$$\frac{1}{0.375} = \frac{5,280}{x}$$

x= (5,280) x 0.375 = 1,980

So, .375 mile = 1,980 ft

Step 4) Now, we get: 12540 ft = 2 mile 1980 ft

So, the answer is 2 mile 1980 ft.