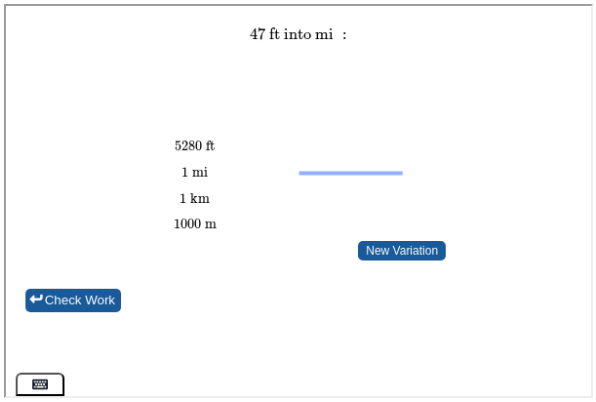
# 1 Unit Conversion Factors Part 1

Now let's practice choosing correct unit conversion factors. Choose new variations of the problem with the "New Variation" button.

Move the pieces to form the correct unit conversion factor that would be used to convert

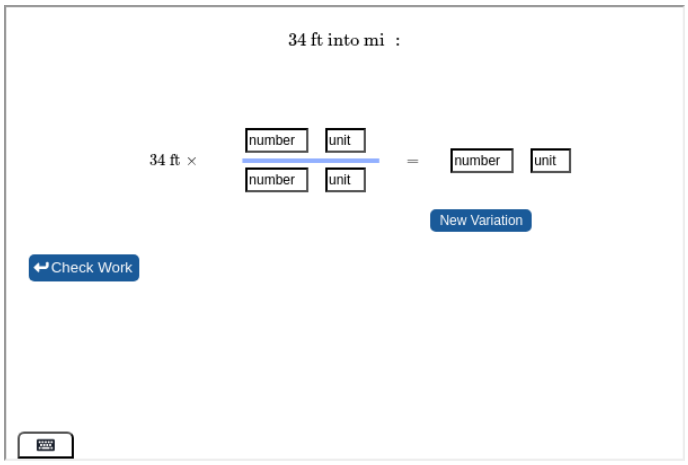



**1.** Before moving on, get at least 3 correct in a row, and write down an explanation for how to choose a correct unit conversion factor as if you were explaining it to someone new.

# 2 Unit Conversion Factors Part 2

Now let's practice a full computation. Replace "number" with a correct number and "unit" with a correct unit abbreviation. Enter your numbers without using commas. Choose new variations of the problem with the "New Variation" button.

Convert




**1.** Before moving on, get at least 3 correct in a row, and write down an explanation for how to perform a unit conversion as if you were explaining it to someone new.

# 3 Relatable Measurements

While there is never one correct way to make extreme measurements more meaningful, it is always helpful to frame them in a way that you think will be more relatable to someone's common experience! Let's practice that now.

**1.** Individually, convert the following measurements to more meaningful units:

- 120 billion pounds
- 12 trillion $m^3$
- \$407 billion
- 93 million miles

**2.** Spend time in your group sharing your work. Discuss your process for performing the unit conversions, and which conversions you think are the most relatable.