

Let's Investigate

The *kilometre* is the most commonly used metric unit for expressing distances.

However, in the UK, we still use the imperial measurement *mile* to measure distance.

1 mile \approx 1.6 kilometres

The most commonly used formula for converting miles (mi.) to kilometres (km) is:

$$\text{km} = \text{mi.} \times 1.6$$

Another formula for converting miles to kilometres is:

$$\text{km} = \text{mi.} + \frac{1}{2} \text{mi.} + \frac{1}{10} \text{mi.}$$

or

$$\text{km} = \text{mi.} + 0.5 \text{mi.} + 0.1 \text{mi.}$$

Use both formulas to convert miles to kilometres.

Do both formulas give the same answer?

Which formula do you find easier? Why?

