

MATC9 Ch5.4 Key Concepts 3 Converting Rational Numbers Worked Example

Example: a) Convert $2\frac{5}{16}$ to decimal form.

b) Convert 0.375 to fractional form.

Solution:

a)

$$2\frac{5}{16} = 2.3125$$

b)

$$\begin{aligned} 0.375 &= \frac{375}{1000} \\ &= \frac{3}{8} \end{aligned}$$

Practice:

1. Convert $3\frac{11}{20}$ to decimal form.

2. Convert 0.65 to fractional form.

Answers: 1. 3.55. 2. $\frac{13}{20}$