

Answers to Practice Exercises for Chapter 13 - Decimals

Set A - Question 2e

Working with the decimal places, dividing by common factors of 5 three times to reduce to lowest terms:

$$0.125 = \frac{125}{1000} = \frac{125 \div 5}{1000 \div 5} = \frac{25}{200} = \frac{25 \div 5}{200 \div 5} = \frac{5}{40} = \frac{5 \div 5}{40 \div 5} = \frac{1}{8}$$

Or, dividing by a common factor of 125 in one step to reduce to lowest terms:

$$0.125 = \frac{125}{1000} = \frac{125 \div 125}{1000 \div 125} = \frac{1}{8}$$

So, $1.125 = 1\frac{1}{8}$