

## Answers to Practice Exercises for Chapter 13 – Decimals

### Set A - Question 1d

Working with the fraction part:

**Changing the denominator method:**

$$\frac{5}{8} = \frac{5 \times 125}{8 \times 125} = \frac{625}{1000}$$

Multiplying numerator and denominator by 125 gives a fraction in thousandths.

$$= 0.625$$

This can then be written as 125 in the thousandths decimal place value

**OR**

**Dividing the numerator by the denominator method:**

$$\begin{array}{r} 0.625 \\ 8 \overline{) 5.000} \\ \underline{5} \phantom{00} \\ 0 \phantom{00} \\ \underline{0} \phantom{0} \\ 0 \phantom{0} \\ \underline{0} \\ 0 \end{array}$$

So, recombining the integer and fraction parts,  $4\frac{5}{8} = 4.625$