

Answers to Practice Exercises for Chapter 13 - Decimals

Set A - Question 2i

Writing as a fraction and cancelling out a common factor of 5 four times to reduce to lowest terms:

$$0.1875 = \frac{1875}{10\,000} = \frac{1875 \div 5}{10\,000 \div 5} = \frac{375}{2000} = \frac{375 \div 5}{2000 \div 5} = \frac{75}{400} = \frac{75 \div 5}{400 \div 5} = \frac{15}{80} = \frac{15 \div 5}{80 \div 5} = \frac{3}{16}$$

$$5 \overline{) \begin{array}{r} 375 \\ 18375 \end{array}}$$

$$5 \overline{) \begin{array}{r} 75 \\ 3375 \end{array}}$$

$$5 \overline{) \begin{array}{r} 15 \\ 725 \end{array}}$$

$$5 \overline{) \begin{array}{r} 16 \\ 830 \end{array}}$$