

## Answers to Practice Exercises for Chapter 12 – The Four Rules for Mixed Numbers

### Set A - Question 15

#### Working

$$\frac{2}{3} \div 1\frac{2}{3}$$

$$= \frac{2}{3} \div \frac{5}{3}$$

$$= \frac{2}{3} \times \frac{3}{5}$$

$$= \frac{2}{\cancel{3}1} \times \frac{\cancel{3}}{5}$$

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

#### Comment

Change the mixed number into an improper fraction.

Change  $\div \frac{5}{3}$  into  $\times \frac{3}{5}$

Cancel out a common factor of 3.

Multiply the numerators, multiply the denominators.

The answer is a proper fraction, so there is no need to change to a mixed number

Note: if you do not cancel out the common factors, you will get  $\frac{6}{15}$  which must then be reduced to its lowest terms by dividing out a common factor of 3 to get  $\frac{2}{5}$ .