

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

### Set A - Question 16

#### Working

$$\begin{aligned} & 4\frac{3}{4} \div 1\frac{1}{4} \\ = & \frac{19}{4} \div \frac{5}{4} \\ = & \frac{19}{4} \times \frac{4}{5} \\ = & \frac{19}{41} \times \frac{14}{5} \\ = & \frac{19}{5} \\ = & 3\frac{4}{5} \end{aligned}$$

#### Comment

Change into improper fractions.

Change  $\div \frac{5}{4}$  into  $\times \frac{4}{5}$

Cancel out a common factor of 4.

Multiply the numerators, multiply the denominators.

Change to a mixed number

Note: if you do not cancel out the common factors, you will get  $\frac{76}{20}$  which must then be reduced to its lowest terms by dividing out a common factor of 4 (probably in two steps of 2 and 2 again) to get  $\frac{19}{5}$ .