

## Answers to Practice Exercises for Chapter 11 – The Four Rules for Rational Numbers

### Set A - Question 4

#### Working

$$\begin{aligned} & \frac{5}{12} + \frac{3}{16} + \frac{1}{4} \\ = & \frac{20}{48} + \frac{9}{48} + \frac{12}{48} \\ = & \frac{41}{48} \end{aligned}$$

#### Comment

The lowest common multiple of 12, 16 and 4 is 48, so that will be the common denominator

Multiply the numerator and denominator of  $\frac{5}{12}$  by 4 to make  $\frac{20}{48}$ , the numerator and denominator of  $\frac{3}{16}$  by 3 to make  $\frac{9}{48}$ , and the numerator and denominator of  $\frac{1}{4}$  by 12 to make  $\frac{12}{48}$

Now add the numerators.