Stage 4 Mathematics student work sample – Grade D

Fraction Worksheet

Part 1

A student was asked to evaluate $\frac{2}{3} + \frac{5}{6}$.

Here is her working:

$$\frac{2}{3} + \frac{5}{6}$$

$$= \frac{12}{18} + \frac{15}{18}$$

$$= \frac{27}{18}$$

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

$$= 1\frac{1}{2}$$

1. This student chose 18 as the common denominator. Is this the lowest common denominator? Yes

Show how you can evaluate $\frac{2}{3} + \frac{5}{6}$ using the lowest common denominator.

2. Evaluate $\frac{7}{10} + \frac{3}{4}$

Uses a common denominator to add proper fractions accurately and leaves answers as mixed numerals
Grade Commentary

Chandra demonstrates a basic understanding of the addition of fractions with a limited level of competence in the relevant processes. The identification and use of the lowest common denominator when adding fractions, the application of an appropriate process for the multiplication of fractions, simplification of answers where possible, the construction of an appropriate word problem for Question 3, and an appropriate diagram for Question 4 would enhance the response.

Chandra’s response demonstrates characteristics of work typically produced by a student performing at a grade D standard.