

2.4 Answers

GCSE Mathematics Algebraic Fractions

2.4.1 Solutions (2.1 Common Denominator)

$$\frac{29x + 59}{21}$$

[3 marks]

- (i) LCM { 5, 6 } = 30
(ii) LCM { 3, 9 } = 9
(iii) LCM { 8, 12 } = 24

[3 marks]

2.4.2 Solutions (2.2 Exercise)

Answer 1

(i) $\frac{42x + 43}{10}$

(ii) $\frac{67x + 14}{12}$

(iii) $\frac{11x + 4}{7}$

(iv) $\frac{47x + 26}{6}$

(v) $\frac{2x + 85}{12}$

(vi) $\frac{3 + 4x}{12}$

[18 marks]

Answer 2

$$\frac{11x}{12}$$

Answer 3

$$\frac{x - 3}{x}$$

Answer 4

$$\frac{x - 4}{2x - 3}$$

[3, 3, 3 marks]

Answer 5

$$\frac{x + 3}{2(5x + 1)}$$

Answer 6

$$\frac{2x + 7}{x + 4}$$

[4, 4 marks]