

11 Express $\frac{5}{3} - \frac{x+2}{2x}$ as a single fraction in its simplest terms.

(Total for Question 11 is 3 marks)



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11 Express $\frac{3}{4} + \frac{5-x}{6x}$ as a single fraction in its simplest terms.

(Total for Question 11 is 3 marks)



P 7 3 4 6 5 A 0 1 3 2 8

11

.....
(2)

(b) Express $\frac{7}{8} - \frac{x+3}{4x}$ as a single fraction in its simplest form.

.....
(3)

(Total for Question 11 is 5 marks)

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12



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12 (a) Solve $\frac{3x+2}{5} - \frac{2x+1}{3} = x$

Show clear algebraic working.

$x = \dots$

(4)

(Total for Question 12 is 7 marks)



P 7 5 9 3 6 A 0 1 3 2 8

12

.....
(2)

(b) Write $\frac{2x+1}{4} + \frac{x-2}{3}$ as a single fraction in its simplest form.

.....
(3)



12

.....
(2)

(b) Express $\frac{2x+1}{4x} + \frac{7-5x}{3x}$ as a single fraction in its simplest form.

.....
(3)

(Total for Question 12 is 5 marks)



P 7 3 9 9 0 A 0 1 3 2 8

12

.....
(2)

(b) Express

$$\frac{3}{x} + \frac{x+2}{2x} + \frac{1}{4}$$

as a single fraction in its simplest form.

.....
(3)

(Total for Question 12 is 5 marks)



P 6 8 7 2 7 A 0 1 5 3 2

12 (a) Express $\frac{4}{x-2} - \frac{3}{x+1}$ as a single fraction.

Give your answer in its simplest form.

.....
(3)

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13 Solve $\frac{x+3}{4} - \frac{7-x}{5} = 4.3$

Show clear algebraic working.

$x = \dots$

(Total for Question 13 is 3 marks)



P 7 2 4 4 3 A 0 1 3 2 8

14**DO NOT WRITE IN THIS AREA****DO NOT WRITE IN THIS AREA**

(b) Solve $\frac{2x + 3}{5} + \frac{6x - 5}{4} = \frac{163}{100}$

Show clear algebraic working.

$x = \dots$ (4)

(Total for Question 14 is 7 marks)



15

(b) Express $\frac{1}{9x^2 - 25} - \frac{1}{6x + 10}$ as a single fraction in its simplest form.

.....
(3)

(Total for Question 15 is 5 marks)

18



15 (a) Solve $\frac{4x + 5}{3} - \frac{3 - 2x}{2} = 13$

Show clear algebraic working.

$x = \dots$

(4)

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P 6 8 7 9 8 R A 0 1 5 2 4

21 Given that $x = \frac{5}{9y+5}$ and that $y = \frac{5}{5a-2}$

find an expression for x in terms of a .

Give your expression as a single fraction in its simplest form.

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(Total for Question 21 is 4 marks)

