

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)



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

(2)

(3)

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(Total for Question 11 is 5 marks)

12



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

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

Show clear algebraic working.

$$x = \dots\dots\dots$$

(4)

(Total for Question 12 is 7 marks)



12

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

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(2)

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(3)



12

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(2)

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

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(3)

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(Total for Question 12 is 5 marks)

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

12

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(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)



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.

$x = \dots\dots\dots$

(Total for Question 13 is 3 marks)



14

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

Show clear algebraic working.

$$x = \dots\dots\dots$$

(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)



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

Show clear algebraic working.

$x = \dots\dots\dots$   
(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)

