



Aberdare Community School  
Mathematics Department

WJEC GCSE

**Higher – Non Calculator**  
Algebra

# **Algebraic fractions**

Name: .....

Set: .....

Date: .....

Teacher: .....

25. Express the following as a single fraction in its simplest form.

$$\frac{6}{4x-3} + \frac{3}{x+5}$$

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24. Express  $\frac{n}{n-3} - \frac{n}{n+2}$  as a single fraction in its simplest terms.

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19. (a) Solve  $\frac{4x}{3x+1} = \frac{3}{x+5}$  .

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24. Express the following as a single fraction in its simplest form.

$$\frac{6}{4x-3} + \frac{3}{x+5}$$

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19. Solve  $\frac{x+3}{x+1} + \frac{3}{x-3} = 2$ .

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19. (a) Express the following as a single fraction in its simplest form.

$$\frac{8}{3-x} - \frac{2}{x-5}$$

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- (b) Hence, or otherwise, solve the following equation.

$$\frac{8}{3-x} - \frac{2}{x-5} = 0$$

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(e) Express the following as a single fraction in its simplest form.

$$\frac{8}{f-4} - \frac{5}{3f-2}$$

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14. (a) Express  $\frac{x}{x-3} - \frac{x}{x+6}$  as a single fraction in its simplest form.

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