

National 5 Maths Adding or Subtracting Algebraic Fractions

SQA past paper and specimen paper questions and answers by topic

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National 5 Maths
SQA 2014 Paper 2
Question 9

Express $\frac{7}{x+5} - \frac{3}{x}$ $x \neq -5, x \neq 0$ as a single fraction in its simplest form. **3**

Answer:

$$\frac{4x-15}{x(x+5)}$$

National 5 Maths
SQA 2016 Paper 2
Question 13

Express

$$\frac{3}{x-2} + \frac{5}{x+1}, \quad x \neq 2, x \neq -1$$

as a single fraction in its simplest form.

3

Answer:

$$\frac{8x-7}{(x-2)(x+1)}$$

Express

$$\frac{4}{x+2} - \frac{3}{x-4}, \quad x \neq -2, x \neq 4$$

as a single fraction in its simplest form.

3

Answer:

$$\frac{x-22}{(x+2)(x-4)}$$

National 5 Maths
SQA 2017 Paper 1
Question 11

Express $\frac{3}{a^2} - \frac{2}{a}$, $a \neq 0$, as a single fraction in its simplest form.

2

Answer:

$$\frac{3-2a}{a^2}$$

Express

$$\frac{4}{x-2} - \frac{3}{x+5}, \quad x \neq 2, x \neq -5$$

as a single fraction in its simplest form.

3

Answer:

$$\frac{x+26}{(x-2)(x+5)}$$

National 5 Maths
SQA 2023 Paper 2
Question 10

Express

$$\frac{7}{x-3} - \frac{2}{x}, \quad x \neq 3, x \neq 0$$

as a single fraction in its simplest form.

3

Answer:

$$\frac{5x+6}{x(x-3)}$$