

National 5 Maths Multiplying or Dividing Algebraic Fractions

SQA past paper and specimen paper questions and answers by topic

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National 5 Maths
SQA 2015 Paper 2
Question 7

Express $\frac{5t}{s} \div \frac{t}{2s^2}$ in its simplest form.

3

Answer:

10s

National 5 Maths
SQA 2018 Paper 2
Question 15

Express

$$\frac{n}{n^2 - 4} \div \frac{3}{n - 2}, \quad n \neq -2, n \neq 2$$

as a single fraction in its simplest form.

3

Answer:

$$\frac{n}{3(n+2)} \text{ or } \frac{n}{3n+6}$$

Express

$$\frac{6x}{y} \div \frac{2x^2}{y+5}, \quad x \neq 0, y \neq 0, y \neq -5$$

as a single fraction in its simplest form.

3

Answer:

$$\frac{3(y+5)}{xy}$$

National 5 Maths
SQA 2022 Paper 1
Question 12

Express $\frac{4}{x+2} \div \frac{5}{(x+2)^2}$, $x \neq -2$ as a single fraction in its simplest form.

2

Answer:

$$\frac{4(x+2)}{5} \text{ or } \frac{4x+8}{5}$$