National 5 Final Exam Practice	
Algebraic Skills	Algebraic Fractions Calculations
Average score	2 / 3 marks

1. Write $\frac{5}{x}+\frac{2}{y}$ $x \neq 0, y \neq 0$ as a single fraction.

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

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

4. Write $\frac{p+3}{2q}$ - $\frac{3}{p}$ $p \neq 0, q \neq 0$ as a fraction in its simplest form.

5. Express $\frac{5q}{p^3} \div \frac{2q}{3p}$ $p \neq 0, q \neq 0$ as a fraction in its simplest form.

6. Express $\frac{5}{a+1}+\frac{3}{a}$ $a \neq 0$ as a single fraction.

7. Write $\frac{p+1}{6q}$ x $\frac{4q}{p}$ $p \neq 0, q \neq 0$ as a single fraction in its simplest form.

8. Express $\frac{x^2}{2y} \div \frac{3}{4y^2}$ $y \neq 0$, as a single fraction in its simplest form.

9. Write $\frac{2}{p}+\frac{3}{pq^2}$ $p \neq 0, q \neq 0$ as a single fraction in its simplest form.

10. Express $\frac{p-2}{2p}-\frac{p+1}{3}$ $p \neq 0$ as a single fraction in its simplest form.

11. Write $\frac{4a}{3b} \div \frac{5a^2}{2b^2}$ $b \neq 0$ as a fraction in its simplest form.

12. Express $\frac{3}{v+1}$ - $\frac{2}{v}$ $v \neq 0$ as a single fraction.

13. Express $\frac{2}{x-2}+\frac{5}{x+1}$ $x \neq 0$ as a single fraction.

14. Write $\frac{3p}{2q^2}$ x $\frac{4pq}{5p^2}$ $p \neq 0, q \neq 0$ as a single fraction in its simplest form.

15. Write $\frac{5}{a+6}-\frac{3}{2a+1}$ $a \neq 0$, as a single fraction in its simplest form.

16. Express $\frac{5s}{2t^2} \div \frac{s^2}{4t}$ $t \neq 0$ in its simplest form.

17. Express $\frac{4}{3a}+\frac{3}{2a^2}$ $a \neq 0$ as a fraction in its simplest form.

18. Write $\frac{4}{p-2}+\frac{2}{p+3}$ $p \neq 0$ in its simplest form.