

1. Express as a single fraction in its simplest form.

$$\frac{2a}{3} + \frac{4}{5a}, a \neq 0$$

2. Express $\frac{5t}{s} \div \frac{t}{2s^2}$, $s \neq 0$ in its simplest form. **[SQA Paper 2 ; 3 Marks]**

3. Work out and simplify

$$\frac{a+5}{4} - \frac{2a-3}{a}, a \neq 0$$

4. Express $\frac{5a}{2b} \div \frac{a}{3b^2}$, $b \neq 0$ in its simplest form.

5. Express $\frac{2}{p-5} + \frac{4}{p+3}$, $p \neq 5, p \neq -3$ in its simplest form.

6. Express $\frac{3t^2}{4p} \div \frac{4t}{5p^2}$, $p \neq 0$ as a single fraction in its simplest form.

7. Express $\frac{4}{a+3} + \frac{2}{a-1}$, $a \neq -3, a \neq 1$ as a fraction in its simplest form.

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

9. Express $\frac{7}{x+5} - \frac{3}{x}$, $x \neq -5, x \neq 0$ as a fraction in its simplest form. **[SQA Paper 2; 3 Marks]**

10. Express $\frac{3t}{5s} \div \frac{6t^2}{7rs}$, $r \neq 0, s \neq 0$ as a fraction in its simplest form.