



SCAN ME

# Algebraic Fractions (Operations)



SCAN ME

REVISE THIS TOPIC

CHECK YOUR ANSWERS

1 Write  $\frac{5y}{6} + \frac{y}{4}$  as a single fraction in its simplest form. [2 marks]

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Answer \_\_\_\_\_

2 Write  $\frac{x}{2} - \frac{2x}{5}$  as a single fraction in its simplest form. [2 marks]

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Answer \_\_\_\_\_

3 Write  $\frac{1}{3a} + \frac{4}{a}$  as a single fraction in its simplest form. [2 marks]

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Answer \_\_\_\_\_

$\frac{\quad}{6}$





4 Write  $\frac{4b}{5} \times \frac{b}{6}$  as a single fraction in its simplest form. [2 marks]

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Answer \_\_\_\_\_

5 Write  $\frac{4c}{9} \div \frac{8}{3c^2}$  as a single fraction in its simplest form. [2 marks]

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Answer \_\_\_\_\_

6 Write  $\frac{3xy}{4} \times \frac{y}{6x}$  as a single fraction in its simplest form. [2 marks]

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Answer \_\_\_\_\_





7 Write  $\frac{4}{a} + \frac{3}{b} - \frac{7}{ab}$  as a single fraction in its simplest form. [3 marks]

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Answer \_\_\_\_\_

8 Write  $\frac{2x}{y} \times \frac{5}{3x^2} \times \frac{y^6}{20}$  as a single fraction in its simplest form. [3 marks]

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Answer \_\_\_\_\_

9 Write  $\frac{2}{xy} + \frac{y}{x} + \frac{6}{x^2}$  as a single fraction in its simplest form. [3 marks]

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Answer \_\_\_\_\_

Turn over ►





10 Write  $\frac{5}{2x^2y} - \frac{3}{8xy^3}$  as a single fraction in its simplest form. [3 marks]

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Answer \_\_\_\_\_

11 Write  $\frac{10xy}{6m^2n^2} \div \frac{5x^2y^2}{9mn^5}$  as a single fraction in its simplest form. [3 marks]

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Answer \_\_\_\_\_

12 Write  $\frac{x+2}{8} + \frac{2x}{3}$  as a single fraction in its simplest form. [2 marks]

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Answer \_\_\_\_\_





13 Write  $\frac{x+7}{6} + \frac{x+4}{9}$  as a single fraction in its simplest form. [3 marks]

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Answer \_\_\_\_\_

14 Write  $\frac{x+3}{4} - \frac{x+1}{5}$  as a single fraction in its simplest form. [3 marks]

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Answer \_\_\_\_\_

15 Write  $\frac{2x+3}{7} - \frac{x-4}{2}$  as a single fraction in its simplest form. [3 marks]

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Answer \_\_\_\_\_

Turn over ►





16 Write  $\frac{8}{x+2} + \frac{1}{2x}$  as a single fraction in its simplest form. [2 marks]

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Answer \_\_\_\_\_

17 Write  $\frac{10}{x+4} + \frac{5}{x+5}$  as a single fraction in its simplest form. [3 marks]

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Answer \_\_\_\_\_

18 Write  $\frac{9}{x+8} - \frac{5}{x-5}$  as a single fraction in its simplest form. [3 marks]

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Answer \_\_\_\_\_





19 Write  $\frac{5}{x-3} - \frac{3}{x+3}$  as a single fraction in its simplest form. [3 marks]

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Answer \_\_\_\_\_

20 Write  $\frac{x}{x-1} - \frac{2}{x+3}$  as a single fraction in its simplest form. [3 marks]

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Answer \_\_\_\_\_

21 Write  $\frac{1}{2x-3} - \frac{x}{3x+5}$  as a single fraction in its simplest form. [4 marks]

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Answer \_\_\_\_\_

