



# Algebraic Fractions (Equations)



REVISE THIS TOPIC

CHECK YOUR ANSWERS



1 Solve  $\frac{x+9}{5} + \frac{x+2}{4} = 5$

.....  
(Total for Question 1 is 3 marks)

2 Solve  $\frac{x-1}{2} + \frac{x+4}{5} = 8$

.....  
(Total for Question 2 is 3 marks)





3 Solve  $\frac{x+5}{3} - \frac{x-2}{4} = 3$

.....  
(Total for Question 3 is 3 marks)

4 Solve  $\frac{x+2}{8} - \frac{5-x}{3} = 2$

.....  
(Total for Question 4 is 3 marks)



5 Solve  $\frac{3}{x+5} + \frac{1}{x+3} = 2$

.....  
(Total for Question 5 is 4 marks)

6 Solve  $\frac{2}{2x+3} + \frac{3}{x-2} = 1$

.....  
(Total for Question 6 is 4 marks)



7 Solve  $\frac{3x+1}{x+1} - \frac{1}{x+3} = 4$

.....  
(Total for Question 7 is 5 marks)

8 Solve  $\frac{7}{3x+1} - \frac{2}{x-3} = 3$

.....  
(Total for Question 8 is 5 marks)



9 Solve  $\frac{6}{x+7} + \frac{2}{x-5} = \frac{2}{3}$

.....  
(Total for Question 9 is 5 marks)

10 Solve  $\frac{5x+2}{x+1} - \frac{x+8}{x+3} = 2$

.....  
(Total for Question 10 is 5 marks)



11 Solve  $\frac{x}{2x-1} + \frac{x-3}{2-x} = \frac{1}{4}$

.....  
(Total for Question 11 is 5 marks)



12 Solve  $\frac{1}{x-2} + \frac{x}{x+1} = -2$  giving your answer in the form  $\frac{a \pm \sqrt{b}}{c}$

where  $a, b$  and  $c$  are integers.



.....  
(Total for Question 12 is 6 marks)

