Solving Equations IGCSE Higher Tier Exam Questions

Jan 2014 4HR Paper

3 Solve \( 6 (3y + 5) = 39 \)
Show clear algebraic working.

May 2013 3H Paper

23 Solve the equation \( \frac{3}{x + 2} + \frac{4}{x - 3} = 2 \)
Show clear algebraic working.

May 2014 3HR Paper

6 Solve \( 3(2z - 5) = 4z + 11 \)
Show clear algebraic working.
9  (a) Solve $7x - 6 = 2x + 17$
    Show clear algebraic working.

    (b) Expand and simplify fully $(x + 8)(x + 2)$

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6  Solve $4(5y - 1) = 3(6y + 7)$
    Show clear algebraic working.

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4  Solve $7x - 2 = 1 - 3x$
    Show clear algebraic working.
2. Solve \[ 8y - 18 = 3(y + 3) \]
Show clear algebraic working.

Nov 2010 3H Paper

6. (a) Solve \[ 7x + 3 = 2x - 4 \]

(b) Solve \[ \frac{16 - 5y}{3} = 2 \]

June 2010 4H Paper

1. Solve \[ 6y - 9 = 3y + 7 \]

Nov 2009 3H Paper

2. Solve \[ 8y - 9 = 5y + 3 \]
June 2009 4H Paper

9. Solve $\frac{12-x}{3} = 7$

May 2008 4H Paper

1. Solve

(a) $6x + 13 = 2x + 7$

(b) $\frac{y}{5} - 2 = 4$

May 2007 3H Paper

9. (a) Solve $5x - 4 = 2x + 7$

(b) Solve $\frac{7-2y}{4} = 2y + 3$
3. Solve $5(x - 4) = 35$

14. Solve

$$\frac{5x - 7}{x - 1} = x + 1$$

2. Solve $7 - 4x = 10$

11. Solve $\frac{5x + 4}{3} = 2$
Solving Equations IGCSE Higher Tier Exam Questions

May 2005 3H Paper

2. Solve $5(2x + 3) = 30$

May 2005 3H Paper

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

May 2005 4H Paper

1. Solve the equation

$3p + 5 = 7p + 3$

Nov 2004 4H Paper

2. Solve $5x - 3 = 2x - 1$
11. Solve $4(x - 3) = 7x - 10$

3. Solve $7x - 5 = 3x + 2$
   Show your working clearly.

9. (a) Solve $3(2x - 1) = 6$
   Show clear algebraic working.

(b) Solve $\frac{2y + 1}{3} = \frac{y - 2}{4}$
   Show clear algebraic working.
10 Solve $3x + 16 = 1 - 2x$
Show clear algebraic working.

14 Solve $\frac{2}{5x - 2} = \frac{3}{6x + 1}$
Show clear algebraic working.

13 Solve $\frac{2x - 1}{4} + \frac{x - 1}{5} = 2$
Solving Equations IGCSE Higher Tier Exam Questions

Jan 2014 3H Paper

11 Solve \( \frac{6x - 1}{4} - \frac{5 - 2x}{2} = 1 \)

Show clear algebraic working.

Jan 2016 4H Paper

22 Solve the equation \( \frac{6}{x - 2} - \frac{6}{x + 1} = 1 \)

Show clear algebraic working.

May 2012 4H Paper

21 Solve \( \frac{5}{(x + 2)} + \frac{9}{(x - 2)} = 2 \)

Show clear algebraic working.