

Solving Basic Equations

No Calculator

Khan Academy Link: <https://www.khanacademy.org/math/algebra/one-variable-linear-equations/alg1-one-step-mult-div-equations/v/solving-one-step-equations-2>

1. $\left(\frac{1}{2}\right)x = \frac{2}{3}$
2. $\left(\frac{2}{3}\right)x = \frac{7}{9}$
3. $\left(\frac{2}{3}\right)x = \frac{11}{12}$
4. $\left(\frac{4}{5}\right)x = \frac{3}{4}$
5. $\left(\frac{3}{8}\right)x = \frac{3}{5}$
6. $\left(\frac{2}{3}\right)x = \frac{13}{14}$
7. $\left(\frac{3}{8}\right)x = \frac{5}{8}$
8. $\left(\frac{8}{9}\right)x = \frac{13}{15}$
9. $\left(\frac{4}{7}\right)x = \frac{7}{8}$
10. $\left(\frac{8}{11}\right)x = \frac{13}{14}$
11. $\left(\frac{2}{3}\right)x = \frac{1}{2}$
12. $\left(\frac{3}{4}\right)x = \frac{5}{6}$
13. $\left(\frac{1}{2}\right)x = \frac{5}{9}$
14. $\left(\frac{8}{13}\right)x = \frac{4}{5}$
15. $\left(\frac{6}{7}\right)x = \frac{9}{10}$

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| 1. $3x + 7 = 16$ |
| 2. $2x + 3 = 17$ |
| 3. $7x + 3 = 59$ |
| 4. $5x + 7 = 47$ |
| 5. $2x + 3 = 17$ |
| 6. $6x + 8 = 20$ |
| 7. $2x + 7 = 21$ |
| 8. $8x + 6 = 70$ |
| 9. $4x + 9 = 33$ |
| 10. $5x + 2 = 42$ |
| 11. $7x + 6 = 55$ |
| 12. $6x + 6 = 48$ |
| 13. $6x + 8 = 26$ |
| 14. $7x + 6 = 55$ |
| 15. $2x + 7 = 15$ |

Answers	Answers
1. $\frac{4}{3}$	1. $x=3$
2. $\frac{7}{6}$	2. $x=7$
3. $\frac{11}{8}$	3. $x=8$
4. $\frac{15}{16}$	4. $x=8$
5. $\frac{8}{5}$	5. $x=7$
6. $\frac{39}{28}$	6. $x=2$
7. $\frac{5}{3}$	7. $x=7$
8. $\frac{39}{40}$	8. $x=8$
9. $\frac{49}{32}$	9. $x=6$
10. $\frac{143}{112}$	10. $x=8$
11. $\frac{3}{4}$	11. $x=7$
12. $\frac{10}{9}$	12. $x=7$
13. $\frac{10}{9}$	13. $x=3$
14. $\frac{13}{10}$	14. $x=7$
15. $\frac{21}{20}$	15. $x=4$