SOLVING EQUATIONS

1	$m + 6 = 13$	11	$a - 6 = 8$	21	$x + 8 = 21$
2	$x - 6 = 4$	12	$\frac{l}{5} = 3$	22	$\frac{a}{5} = 6$
3	$2y = 6$	13	$e + 8 = 12$	23	$m - 7 = 15$
4	$n + 8 = 14$	14	$12y = 12$	24	$\frac{l}{3} = 8$
5	$y - 7 = 1$	15	$\frac{y}{8} = 4$	25	$y + 9 = 11$
6	$a + 4 = 5$	16	$b - 1 = 2$	26	$2m = 9$
7	$\frac{x}{6} = 2$	17	$f + 6 = 31$	27	$x - 5 = 6$
8	$3x = 15$	18	$\frac{x}{3} = 7$	28	$3t = 11$
9	$c + 1 = 1$	19	$5a = 25$	29	$x + 5 = 14$
10	$\frac{y}{7} = 3$	20	$\frac{t}{2} = 2$	30	$\frac{y}{6} = 8$

$\frac{11}{3} = 7\,^{2}/_{3}$

1	$x + 9 = 15$	11	$t + 8 = 1$	21	$-7m = 14$
2	$b - 3 = 5$	12	$\dfrac{a}{-3} = -4$	22	$\dfrac{x}{5} = -2$
3	$2x = 14$	13	$8t = 3$	23	$a + 6 = 19$
4	$m - 7 = -1$	14	$\dfrac{y}{2} = -2$	24	$n - 6 = -10$
5	$y + 6 = 2$	15	$x + 6 = 3$	25	$-3t = -9$
6	$\dfrac{y}{3} = 5$	16	$10b = -3$	26	$5 + m = 5$
7	$m + 3 = 31$	17	$12 + m = 21$	27	$y - 9 = 6$
8	$6m = 17$	18	$x - 9 = -15$	28	$\dfrac{n}{5} = -10$
9	$4n = -20$	19	$\dfrac{a}{4} = 1$	29	$\dfrac{b}{2} = \dfrac{1}{2}$
10	$c - 5 = -3$	20	$7 + t = 3$	30	$x + 5 = -1$

1	$18 = 3x$	8	$-2 = x + 6$	15	$6 = 5x$
2	$3 = \dfrac{y}{4}$	9	$-8 = \dfrac{m}{3}$	16	$-13 = 5t$
3	$7 = x + 5$	10	$4 = \dfrac{y}{-4}$	17	$6 = 9 + m$
4	$15 = y - 6$	11	$-8 = t - 4$	18	$6 = b - 4$
5	$31 = 8m$	12	$7 = \dfrac{y}{3}$	19	$-3 = 5x$
6	$14 = x + 3$	13	$5 = a - 5$	20	$8 = t + 18$
7	$3 = y - 4$	14	$17 = p + 17$		

1	$2x + 3 = 15$	8	$4t + 3 = 14$	15	$7t + 3 = 4$
2	$3t - 4 = 8$	9	$2x - 3 = 8$	16	$2y - 1 = 6$
3	$2y + 5 = 15$	10	$7y - 5 = 2$	17	$8a + 4 = -4$
4	$6x + 1 = 19$	11	$6a - 3 = 18$	18	$2m - 3 = -9$
5	$3y - 4 = 14$	12	$10m + 8 = 35$	19	$6x - 2 = -14$
6	$8a + 3 = 27$	13	$3m + 9 = 16$	20	$3t + 8 = 2$
7	$5m - 6 = 19$	14	$4x - 1 = 5$		

1 $\quad 8 - 6m = 32$	**8** $\quad -3 - 5b = -18$	**15** $\quad 8 + 7x = 23$
2 $\quad 7 + 2x = 11$	**9** $\quad 5 + 6x = -1$	**16** $\quad -8 - 2a = -15$
3 $\quad 5 - 3t = -13$	**10** $\quad 8 - 3y = -10$	**17** $\quad -6 - 3d = -2$
4 $\quad 6 + 5y = -14$	**11** $\quad 5 - 4p = 19$	**18** $\quad 15 - 12m = 17$
5 $\quad -6 + 2x = -16$	**12** $\quad 13 - 8y = 2$	**19** $\quad 16 - 4x = 3$
6 $\quad -3 - 4a = 5$	**13** $\quad -6 - 4y = 13$	**20** $\quad -2 - 3y = -9$
7 $\quad -9 + 8t = 23$	**14** $\quad -2 + 8t = 1$	

1	$3(a+6)=29$	6	$6(2x+4)=12$	11	$7(a+2)=7$
2	$2(3x-1)=10$	7	$-2(x+3)=12$	12	$-3(2x-4)=$
3	$4(3y-2)=16$	8	$-3(y-3)=3$	13	$4(5-2x)=2$
4	$5(m-6)=15$	9	$4(3-2y)=28$	14	$5=3(x+2)$
5	$2(4x+6)=-4$	10	$2(5+4k)=18$	15	$12=6(2x-2)$

1 $2(2x + 3) = 10$

6 $3(2x - 4) = 1$

11 $3(2x - 5) = -4$

2 $3(2x - 3) = 9$

7 $2(4x - 3) = 1$

12 $2(4x + 7) = 6$

3 $4(2x - 2) = 16$

8 $5(2x + 1) = 23$

13 $2(3 + 2x) = 16$

4 $3(x + 7) = 30$

9 $2(4x + 6) = 11$

14 $3(2 - 3x) = 16$

5 $2(10x + 6) = 52$

10 $3(x - 4) = 2$

15 $4(8 - 2x) = -8$

1	$3(a+6)=29$	**6**	$6(2x+4)=12$	**11**	$7(a+2)=7$
2	$2(3x-1)=10$	**7**	$-2(x+3)=12$	**12**	$-3(2x-4)=1$
3	$4(3y-2)=16$	**8**	$-3(y-3)=3$	**13**	$4(5-2x)=2$
4	$5(m-6)=15$	**9**	$4(3-2y)=28$	**14**	$5=3(x+2)$
5	$2(4x+6)=-4$	**10**	$2(5+4k)=18$	**15**	$12=6(2x-2)$

1 $6x + 8 = 4x + 4$	**6** $12n + 10 = 4n + 2$	**11** $7m - 3 = 6m - 1$
2 $13m - 4 = 7m + 3$	**7** $8c + 3 = 5c - 6$	**12** $5t + 6 = 4t + 2$
3 $7y - 2 = 4y - 10$	**8** $17d - 3 = 8d + 4$	**13** $8m + 5 = 6m + 5$
4 $9a + 4 = 4a - 6$	**9** $10y + 3 = 6y + 17$	**14** $14a + 7 = 6a - 1$
5 $7t - 3 = 3t - 1$	**10** $9a - 2 = 8a - 5$	**15** $5m - 4 = 2m - 11$

1 $12x + 3 = 5x + 17$

6 $7m - 3 = 3m + 13$

11 $12b + 3 = 11b + 8$

2 $7m + 8 = 5m + 14$

7 $8a - 4 = 5a + 14$

12 $9a + 6 = 5a + 7$

3 $10a + 8 = 6a + 3$

8 $3x - 2 = 2x + 7$

13 $3m - 6 = m + 5$

4 $15y + 8 = 5y + 13$

9 $7y - 3 = 4y + 7$

14 $2y + 3 = y + 15$

5 $8t + 6 = 5t + 15$

10 $5r - 4 = 4r + 2$

15 $7t + 10 = 4t + 1$

1 $5y + 6 = 7y + 12$

6 $8t + 7 = 2t - 4$

11 $5a - 4 = 3a - 1$

2 $6x - 3 = 9x - 9$

7 $6m + 5 = 3m + 19$

12 $2m + 5 = 8m - 7$

3 $3a + 4 = 7a + 12$

8 $4x - 3 = 9x + 7$

13 $5x - 11 = 3x - 2$

4 $2m - 5 = 6m - 13$

9 $6t - 1 = 7t + 8$

14 $7a + 2 = 12a - 13$

5 $6y - 4 = 8y - 2$

10 $3a - 4 = 4a - 9$

15 $2t + 5 = 3t$

1 $7m + 3m + 4 = 24$

6 $19 = 2a + 5 + 5a$

11 $9a - 4 - 6a + 8 = 17$

2 $2x + 3x - 4 = 1$

7 $6y - 3 - 4y = -8$

12 $9y = 6y + 2 + 2y$

3 $5t + 8 - 3t = 4$

8 $2x + 7 + 6x = 2$

13 $5x = 2x + 3 + x$

4 $9y - 3 - 6y = 15$

9 $3p - 3 - 2p = 5$

14 $5c - 3c + 2c = c + 8$

5 $9 = 3m + 5m + 1$

10 $2m + 3 + 5m - 1 = 6$

15 $9m + 2m + 5 = 8m + 9$