

Addition and subtraction from a single unknown

1	$k + 3 = 20$	6	$w - 18 = 9$	11	$g + 9 = -6$
2	$t + 8 = 23$	7	$y - 8 = 10$	12	$h + 27 = -5$
3	$u + 9 = 79$	8	$n - 12 = 100$	13	$w - 12 = 6$
4	$8 + y = 83$	9	$y + 3 = 2$	14	$h - 7 = -9$
5	$7 + r = 29$	10	$w + 15 = 8$	15	$v + 12 = 9$

Multiplication or Division with a single unknown

1	$\frac{d}{4} = 2$	5	$\frac{y}{5} = 4$	10	$8y = 32$
2	$\frac{t}{5} = 8$	6	$6t = 18$	11	$5w = 30$
3	$\frac{v}{8} = 5$	7	$9y = 63$	12	$9k = -45$
4	$\frac{t}{9} = 6$	8	$4c = 20$	13	$7k = -28$
		9	$3t = 18$	14	$4w = 1$
				15	$6q = 3$

Make k the subject of these equations

1	$4k = 20t$	24	$\frac{k}{4} = t + e$
2	$5k = 45t$	25	$\frac{3k}{7} = 7t - y$
3	$7k = 28t$	26	$5k - w = 7t - k$
4	$8k = 56t$	27	$7k - 3r = 7t + 4k$
5	$11k = 55t$	28	$2k + r = 7t + 3k$
6	$5k + 6 = 51t$	29	$2k + rs = 5k - \frac{r}{s}$
7	$3k + 8 = 32t$	30	$y = 5k + 12$
8	$7k + w = t$	31	$y = 4k + 4x$
9	$4k + q = t + t + t$	32	$y = 5k - 6t$
10	$5k + 3w = 5t$	33	$y = 3k - 8t$
11	$11k + 5w = 7t$	34	$y = \frac{5k}{t}$
12	$5k + 4w = 7t - w$	35	$y = \frac{5k+1}{h}$
13	$8k + 4w = 3t - 2w$	36	$y = \frac{3x+4k}{w}$
14	$3k + r = 7t - k$	37	$y = 9(k + t)$
15	$3k + w = 3t - k$	38	$y + w = 3(k + 2w)$
16	$7k + 6w = 7t - 2k$	39	$y - 8 = 5(2k + e)$
17	$3k + 7w = 5t - k$	40	$y + 12t = 5(3k + 12e)$
18	$\frac{k}{2} = t$		
19	$\frac{k}{5} = t$		
20	$\frac{k}{5} = 2t$		
21	$\frac{3k}{4} = t$		
22	$\frac{3k}{2} = 5t$		
23	$\frac{k}{2} + s = 3t$		