

Solving Compound Inequalities

(a)	(b)	(c)	(d)
Solve $4 < 2x < 12$ $2 < x < 6$	Solve $-1 < x + 2 \leq 7$ $-3 < x \leq 5$	Solve $5 \leq x - 1.5 < 8.5$ $6.5 \leq x < 10$	Solve $6 \leq -3x \leq 30$ $-10 \leq x \leq -2$
(e)	(f)	(g)	(h)
Solve $3 \leq \frac{x}{5} < 3.2$ $15 \leq x < 16$	Solve $-3 \leq 2x - 1 \leq 7$ $-1 \leq x \leq 4$	Solve $-1 < 5 - x < 0$ $5 < x < 6$	Solve $\frac{3}{4} < 1 - 2x \leq \frac{9}{2}$ $-\frac{7}{4} \leq x < \frac{1}{8}$
(i)	(j)	(k)	(l)
Solve $-9 < 3(2 + x) \leq 6$ $-5 < x \leq 0$	Solve $-4 < \frac{3x-5}{2} + 3 \leq 10$ $-3 < x \leq \frac{19}{3}$	Solve $x - 2 < 3x + 1 \leq 19$ $-\frac{3}{2} < x \leq 6$	Solve $-1 \leq 2x + 1 < x + 8$ $-1 \leq x < 7$