



Two-step inequalities - fractions - medium

Solve an inequality:

$$1) -13\frac{35}{156} > 2 - 1\frac{6}{13}p$$

$$2) -2\frac{901}{968} \geq -\frac{5}{11}k - 2\frac{1}{8}$$

$$3) \frac{2}{45} \geq \frac{3}{5} - \frac{5}{6}x$$

$$4) -\frac{137}{140} \leq -\frac{13}{10} - \frac{3}{4}n$$

$$5) 6\frac{1}{2}m + 6\frac{1}{6} \leq 28\frac{31}{48}$$

$$6) 4\frac{7}{9} \geq -4n - 1$$

$$7) -9\frac{127}{350} > 2\frac{5}{14} - b$$

$$8) 55\frac{52}{133} > 3\frac{1}{2}x + 5\frac{2}{7}$$

$$9) 5\frac{5}{12}r - \frac{5}{6} \leq -10$$

$$10) -1\frac{9}{14}x + 6\frac{7}{13} > 4\frac{421}{637}$$

$$11) -21\frac{421}{588} > -\frac{4}{3} - 3\frac{5}{14}v$$

$$12) -28\frac{367}{440} > 4\frac{7}{8} - 3\frac{3}{11}n$$

$$13) 6\frac{3}{10}a + 7\frac{7}{10} < 27\frac{211}{260}$$

$$14) 1\frac{4}{13}p - 1\frac{12}{13} \leq -\frac{193}{286}$$

15) $-\frac{1}{2} + 7\frac{8}{11}x \leq \frac{49}{242}$

16) $8\frac{53}{260} > -\frac{24}{13} + \frac{3}{4}k$

17) $3\frac{1}{2}n + \frac{1}{2} > 33\frac{22}{27}$

18) $2\frac{405}{644} \leq 2\frac{3}{4}r + 5\frac{6}{7}$

19) $\frac{3}{8} - 3\frac{7}{12}n < -6\frac{19}{24}$

20) $-\frac{10}{11}m - \frac{2}{3} \geq 1\frac{5}{33}$

21) $1\frac{55}{112} \leq 4\frac{4}{7} - 1\frac{9}{14}b$

22) $5\frac{103}{120} > \frac{1}{2}x + 3\frac{2}{5}$

23) $-7\frac{3}{4} > -\frac{1}{3}v - 8$

24) $-2\frac{241}{648} \leq 2\frac{8}{9}a - \frac{1}{8}$

25) $-10\frac{25}{33} \geq \frac{21}{11} - 2n$

26) $-19\frac{1}{3} \leq -2\frac{1}{3}x + \frac{7}{6}$

27) $-\frac{2}{3}v - \frac{9}{5} > -3\frac{31}{195}$

28) $-25\frac{93}{110} < -\frac{13}{10} + \frac{18}{11}x$

29) $-6\frac{7}{8} \leq -\frac{11}{8} + 3\frac{3}{4}x$

30) $-\frac{12}{13}n + 3\frac{7}{11} \leq 3\frac{653}{715}$

Two-step inequalities - fractions - medium

Solve an inequality:

$$1) -13\frac{35}{156} > 2 - 1\frac{6}{13}p$$

$$p > 10\frac{5}{12}$$

$$2) -2\frac{901}{968} \geq -\frac{5}{11}k - 2\frac{1}{8}$$

$$k \geq 1\frac{17}{22}$$

$$3) \frac{2}{45} \geq \frac{3}{5} - \frac{5}{6}x$$

$$x \geq \frac{2}{3}$$

$$4) -\frac{137}{140} \leq -\frac{13}{10} - \frac{3}{4}n$$

$$n \leq -\frac{3}{7}$$

$$5) 6\frac{1}{2}m + 6\frac{1}{6} \leq 28\frac{31}{48}$$

$$m \leq 3\frac{11}{24}$$

$$6) 4\frac{7}{9} \geq -4n - 1$$

$$n \geq -1\frac{4}{9}$$

$$7) -9\frac{127}{350} > 2\frac{5}{14} - b$$

$$b > 11\frac{18}{25}$$

$$8) 55\frac{52}{133} > 3\frac{1}{2}x + 5\frac{2}{7}$$

$$x < 14\frac{6}{19}$$

$$9) 5\frac{5}{12}r - \frac{5}{6} \leq -10$$

$$r \leq -1\frac{9}{13}$$

$$10) -1\frac{9}{14}x + 6\frac{7}{13} > 4\frac{421}{637}$$

$$x < 1\frac{1}{7}$$

$$11) -21\frac{421}{588} > -\frac{4}{3} - 3\frac{5}{14}v$$

$$v > 6\frac{1}{14}$$

$$12) -28\frac{367}{440} > 4\frac{7}{8} - 3\frac{3}{11}n$$

$$n > 10\frac{3}{10}$$

$$13) 6\frac{3}{10}a + 7\frac{7}{10} < 27\frac{211}{260}$$

$$a < 3\frac{5}{26}$$

$$14) 1\frac{4}{13}p - 1\frac{12}{13} \leq -\frac{193}{286}$$

$$p \leq \frac{21}{22}$$

15) $-\frac{1}{2} + 7\frac{8}{11}x \leq \frac{49}{242}$

$$x \leq \frac{1}{11}$$

16) $8\frac{53}{260} > -\frac{24}{13} + \frac{3}{4}k$

$$k < 13\frac{2}{5}$$

17) $3\frac{1}{2}n + \frac{1}{2} > 33\frac{22}{27}$

$$n > 9\frac{14}{27}$$

18) $2\frac{405}{644} \leq 2\frac{3}{4}r + 5\frac{6}{7}$

$$r \geq -1\frac{4}{23}$$

19) $\frac{3}{8} - 3\frac{7}{12}n < -6\frac{19}{24}$

$$n > 2$$

20) $-\frac{10}{11}m - \frac{2}{3} \geq 1\frac{5}{33}$

$$m \leq -2$$

21) $1\frac{55}{112} \leq 4\frac{4}{7} - 1\frac{9}{14}b$

$$b \leq 1\frac{7}{8}$$

22) $5\frac{103}{120} > \frac{1}{2}x + 3\frac{2}{5}$

$$x < 4\frac{11}{12}$$

23) $-7\frac{3}{4} > -\frac{1}{3}v - 8$

$$v > -\frac{3}{4}$$

24) $-2\frac{241}{648} \leq 2\frac{8}{9}a - \frac{1}{8}$

$$a \geq -\frac{7}{9}$$

25) $-10\frac{25}{33} \geq \frac{21}{11} - 2n$

$$n \geq 6\frac{1}{3}$$

26) $-19\frac{1}{3} \leq -2\frac{1}{3}x + \frac{7}{6}$

$$x \leq 8\frac{11}{14}$$

27) $-\frac{2}{3}v - \frac{9}{5} > -3\frac{31}{195}$

$$v < 2\frac{1}{26}$$

28) $-25\frac{93}{110} < -\frac{13}{10} + \frac{18}{11}x$

$$x > -15$$

29) $-6\frac{7}{8} \leq -\frac{11}{8} + 3\frac{3}{4}x$

$$x \geq -1\frac{7}{15}$$

30) $-\frac{12}{13}n + 3\frac{7}{11} \leq 3\frac{653}{715}$

$$n \geq -\frac{3}{10}$$