



Two-step inequalities - fractions - easy

Solve an inequality:

1) $\frac{4}{3}p - 4\frac{3}{4} > -2\frac{13}{28}$

2) $-\frac{2}{3} + 2\frac{4}{9}k > 11\frac{7}{17}$

3) $-6\frac{17}{30} < 7x + \frac{11}{6}$

4) $-\frac{6}{5}n - 2 < -1\frac{2}{5}$

5) $\frac{1}{10} + 2x > -\frac{17}{30}$

6) $9m - 2 < -34\frac{1}{2}$

7) $-\frac{4}{5} + 8r > -24\frac{3}{10}$

8) $12\frac{22}{27} \geq -\frac{5}{3} + 1\frac{8}{9}n$

9) $5\frac{1053}{1330} \geq 5\frac{1}{10} - \frac{2}{7}b$

10) $-1\frac{39}{50} > -1 + \frac{3}{5}v$

11) $-\frac{5}{4} + 7\frac{1}{6}n \geq -117\frac{17}{24}$

12) $1 + \frac{7}{9}a \leq 5\frac{5}{18}$

13) $-\frac{5}{4}k - 8\frac{3}{4} > -8\frac{7}{11}$

14) $6\frac{4}{35} \geq 2 - 3\frac{3}{5}x$

15) $10\frac{5}{24} > -2\frac{1}{3}p + 5\frac{1}{4}$

16) $5\frac{5}{8} - \frac{3}{2}x \geq -5\frac{1}{8}$

17) $2\frac{8}{9}m - \frac{5}{8} \leq 16\frac{205}{216}$

18) $3\frac{37}{200} \leq 2\frac{5}{8} + \frac{7}{10}r$

19) $2\frac{2}{3}x + \frac{1}{2} \leq -7\frac{37}{42}$

20) $-\frac{9}{10} - \frac{3}{7}n > -1\frac{23}{70}$

21) $1\frac{5}{6} - \frac{11}{6}n < 3\frac{2}{3}$

22) $2\frac{12}{35} \geq \frac{5}{3}b + \frac{1}{5}$

23) $4\frac{17}{96} > \frac{1}{8}x + 4\frac{1}{3}$

24) $2\frac{5}{9}n + \frac{4}{5} > 18\frac{673}{810}$

25) $-4\frac{3}{4} \leq -1\frac{1}{2} - \frac{11}{8}v$

26) $1 + \frac{2}{3}a > \frac{1}{5}$

27) $38\frac{13}{90} < 3\frac{1}{2}x + \frac{6}{5}$

28) $5\frac{221}{540} > 1\frac{2}{9}v - \frac{3}{5}$

29) $-3\frac{1}{8} - 2\frac{3}{5}x \leq -1\frac{11}{152}$

30) $-\frac{14}{9}n - 3\frac{3}{4} < -12\frac{71}{72}$

Two-step inequalities - fractions - easy

Solve an inequality:

$$1) \frac{4}{3}p - 4\frac{3}{4} > -2\frac{13}{28}$$

$$p > 1\frac{5}{7}$$

$$2) -\frac{2}{3} + 2\frac{4}{9}k > 11\frac{7}{17}$$

$$k > 4\frac{16}{17}$$

$$3) -6\frac{17}{30} < 7x + \frac{11}{6}$$

$$x > -1\frac{1}{5}$$

$$4) -\frac{6}{5}n - 2 < -1\frac{2}{5}$$

$$n > -\frac{1}{2}$$

$$5) \frac{1}{10} + 2x > -\frac{17}{30}$$

$$x > -\frac{1}{3}$$

$$6) 9m - 2 < -34\frac{1}{2}$$

$$m < -3\frac{11}{18}$$

$$7) -\frac{4}{5} + 8r > -24\frac{3}{10}$$

$$r > -2\frac{15}{16}$$

$$8) 12\frac{22}{27} \geq -\frac{5}{3} + 1\frac{8}{9}n$$

$$n \leq 7\frac{2}{3}$$

$$9) 5\frac{1053}{1330} \geq 5\frac{1}{10} - \frac{2}{7}b$$

$$b \geq -2\frac{8}{19}$$

$$10) -1\frac{39}{50} > -1 + \frac{3}{5}v$$

$$v < -1\frac{3}{10}$$

$$11) -\frac{5}{4} + 7\frac{1}{6}n \geq -117\frac{17}{24}$$

$$n \geq -16\frac{1}{4}$$

$$12) 1 + \frac{7}{9}a \leq 5\frac{5}{18}$$

$$a \leq 5\frac{1}{2}$$

$$13) -\frac{5}{4}k - 8\frac{3}{4} > -8\frac{7}{11}$$

$$k < -\frac{1}{11}$$

$$14) 6\frac{4}{35} \geq 2 - 3\frac{3}{5}x$$

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

15) $10\frac{5}{24} > -2\frac{1}{3}p + 5\frac{1}{4}$

$$p > -2\frac{1}{8}$$

16) $5\frac{5}{8} - \frac{3}{2}x \geq -5\frac{1}{8}$

$$x \leq 7\frac{1}{6}$$

17) $2\frac{8}{9}m - \frac{5}{8} \leq 16\frac{205}{216}$

$$m \leq 6\frac{1}{12}$$

18) $3\frac{37}{200} \leq 2\frac{5}{8} + \frac{7}{10}r$

$$r \geq \frac{4}{5}$$

19) $2\frac{2}{3}x + \frac{1}{2} \leq -7\frac{37}{42}$

$$x \leq -3\frac{1}{7}$$

20) $-\frac{9}{10} - \frac{3}{7}n > -1\frac{23}{70}$

$$n < 1$$

21) $1\frac{5}{6} - \frac{11}{6}n < 3\frac{2}{3}$

$$n > -1$$

22) $2\frac{12}{35} \geq \frac{5}{3}b + \frac{1}{5}$

$$b \leq 1\frac{2}{7}$$

23) $4\frac{17}{96} > \frac{1}{8}x + 4\frac{1}{3}$

$$x < -1\frac{1}{4}$$

24) $2\frac{5}{9}n + \frac{4}{5} > 18\frac{673}{810}$

$$n > 7\frac{1}{18}$$

25) $-4\frac{3}{4} \leq -1\frac{1}{2} - \frac{11}{8}v$

$$v \leq 2\frac{4}{11}$$

26) $1 + \frac{2}{3}a > \frac{1}{5}$

$$a > -1\frac{1}{5}$$

27) $38\frac{13}{90} < 3\frac{1}{2}x + \frac{6}{5}$

$$x > 10\frac{5}{9}$$

28) $5\frac{221}{540} > 1\frac{2}{9}v - \frac{3}{5}$

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

29) $-3\frac{1}{8} - 2\frac{3}{5}x \leq -1\frac{11}{152}$

$$x \geq -\frac{15}{19}$$

30) $-\frac{14}{9}n - 3\frac{3}{4} < -12\frac{71}{72}$

$$n > 5\frac{15}{16}$$