



Two-step inequalities - fractions - very easy

Solve an inequality:

$$1) -2\frac{1}{5} \geq -\frac{4}{5}p - \frac{5}{3}$$

$$2) 3\frac{2}{5}n + 3 > -2\frac{1}{10}$$

$$3) -3\frac{7}{8} \leq -1\frac{1}{4}x - 3\frac{2}{3}$$

$$4) -2m - 2\frac{1}{2} \leq -2\frac{1}{6}$$

$$5) -\frac{5}{6} + \frac{1}{2}k \leq 2\frac{23}{48}$$

$$6) -7\frac{1}{12} > -2\frac{7}{8}r - \frac{4}{3}$$

$$7) -\frac{5}{3}x + \frac{1}{3} \leq -6\frac{1}{3}$$

$$8) 1\frac{5}{8} < \frac{6}{5}n + \frac{5}{8}$$

$$9) 4\frac{1}{3}v + 3\frac{1}{8} < 9\frac{5}{8}$$

$$10) 9\frac{19}{60} \leq 2\frac{3}{4}x - 1\frac{1}{2}$$

$$11) 3\frac{1}{2}n - 2 > 9\frac{11}{20}$$

$$12) 1\frac{19}{30} < \frac{1}{6}a + \frac{9}{5}$$

$$13) -\frac{5}{4} - \frac{9}{5}x < -11\frac{57}{140}$$

$$14) 2\frac{3}{8} < -2p + 2\frac{3}{8}$$

15) $3\frac{4}{7} - \frac{2}{3}k \geq \frac{115}{189}$

16) $-1\frac{5}{6} > -\frac{11}{6} - 3\frac{1}{2}n$

17) $1\frac{1}{4} + \frac{15}{8}b > 14\frac{33}{128}$

18) $-1\frac{7}{8} + \frac{1}{2}m \leq 6\frac{1}{8}$

19) $\frac{5}{4} - 3\frac{3}{5}x > -\frac{11}{20}$

20) $-6\frac{23}{24} \leq -3\frac{1}{3} - r$

21) $-3\frac{1}{6} \leq -3\frac{1}{2} - \frac{1}{3}b$

22) $-\frac{13}{7}n + 4\frac{3}{5} \geq 10\frac{409}{490}$

23) $\frac{4}{5}r + 1\frac{1}{2} \geq -\frac{17}{30}$

24) $1\frac{31}{64} \leq \frac{7}{8}x - 3$

25) $-\frac{1}{2}n + \frac{3}{2} \geq 1\frac{1}{2}$

26) $-\frac{8}{7} + 2\frac{3}{4}v < \frac{13}{56}$

27) $\frac{1}{2} + 4\frac{1}{3}a \leq -33\frac{4}{9}$

28) $\frac{1}{8} + 4\frac{1}{2}x \geq -5\frac{23}{40}$

29) $3\frac{6}{7}x + 2\frac{3}{5} < -4\frac{111}{140}$

30) $3\frac{6}{7} - 2\frac{1}{7}n \geq 4\frac{64}{77}$

Two-step inequalities - fractions - very easy

Solve an inequality:

$$1) -2\frac{1}{5} \geq -\frac{4}{5}p - \frac{5}{3}$$

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

$$2) 3\frac{2}{5}n + 3 > -2\frac{1}{10}$$

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

$$3) -3\frac{7}{8} \leq -1\frac{1}{4}x - 3\frac{2}{3}$$

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

$$4) -2m - 2\frac{1}{2} \leq -2\frac{1}{6}$$

$$m \geq -\frac{1}{6}$$

$$5) -\frac{5}{6} + \frac{1}{2}k \leq 2\frac{23}{48}$$

$$k \leq 6\frac{5}{8}$$

$$6) -7\frac{1}{12} > -2\frac{7}{8}r - \frac{4}{3}$$

$$r > 2$$

$$7) -\frac{5}{3}x + \frac{1}{3} \leq -6\frac{1}{3}$$

$$x \geq 4$$

$$8) 1\frac{5}{8} < \frac{6}{5}n + \frac{5}{8}$$

$$n > \frac{5}{6}$$

$$9) 4\frac{1}{3}v + 3\frac{1}{8} < 9\frac{5}{8}$$

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

$$10) 9\frac{19}{60} \leq 2\frac{3}{4}x - 1\frac{1}{2}$$

$$x \geq 3\frac{14}{15}$$

$$11) 3\frac{1}{2}n - 2 > 9\frac{11}{20}$$

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

$$12) 1\frac{19}{30} < \frac{1}{6}a + \frac{9}{5}$$

$$a > -1$$

$$13) -\frac{5}{4} - \frac{9}{5}x < -11\frac{57}{140}$$

$$x > 5\frac{9}{14}$$

$$14) 2\frac{3}{8} < -2p + 2\frac{3}{8}$$

$$p < 0$$

15) $3\frac{4}{7} - \frac{2}{3}k \geq \frac{115}{189}$

$k \leq 4\frac{4}{9}$

16) $-1\frac{5}{6} > -\frac{11}{6} - 3\frac{1}{2}n$

$n > 0$

17) $1\frac{1}{4} + \frac{15}{8}b > 14\frac{33}{128}$

$b > 6\frac{15}{16}$

18) $-1\frac{7}{8} + \frac{1}{2}m \leq 6\frac{1}{8}$

$m \leq 16$

19) $\frac{5}{4} - 3\frac{3}{5}x > -\frac{11}{20}$

$x < \frac{1}{2}$

20) $-6\frac{23}{24} \leq -3\frac{1}{3} - r$

$r \leq 3\frac{5}{8}$

21) $-3\frac{1}{6} \leq -3\frac{1}{2} - \frac{1}{3}b$

$b \leq -1$

22) $-\frac{13}{7}n + 4\frac{3}{5} \geq 10\frac{409}{490}$

$n \leq -3\frac{5}{14}$

23) $\frac{4}{5}r + 1\frac{1}{2} \geq -\frac{17}{30}$

$r \geq -2\frac{7}{12}$

24) $1\frac{31}{64} \leq \frac{7}{8}x - 3$

$x \geq 5\frac{1}{8}$

25) $-\frac{1}{2}n + \frac{3}{2} \geq 1\frac{1}{2}$

$n \leq 0$

26) $-\frac{8}{7} + 2\frac{3}{4}v < \frac{13}{56}$

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

27) $\frac{1}{2} + 4\frac{1}{3}a \leq -33\frac{4}{9}$

$a \leq -7\frac{5}{6}$

28) $\frac{1}{8} + 4\frac{1}{2}x \geq -5\frac{23}{40}$

$x \geq -1\frac{4}{15}$

29) $3\frac{6}{7}x + 2\frac{3}{5} < -4\frac{111}{140}$

$x < -1\frac{11}{12}$

30) $3\frac{6}{7} - 2\frac{1}{7}n \geq 4\frac{64}{77}$

$n \leq -\frac{5}{11}$