



Inequality tasks:

$$1) 17\left(15\frac{1}{8}p + 11\frac{25}{26}\right) + \frac{76}{25}\left(p - \frac{73}{20}\right) < -\frac{2132519}{6500}$$

$$2) 7\frac{3}{22}\left(x - \frac{7}{15}\right) + \frac{1}{4}\left(x + \frac{227}{13}\right) \geq 109\frac{5227}{60060}$$

$$3) -\frac{3}{5}\left(7\frac{8}{33}n - \frac{32}{29}\right) + 5\frac{1}{2}\left(\frac{2}{5}n + 9\frac{2}{25}\right) \geq 50\frac{524}{7975}$$

$$4) 7\frac{1}{22}\left(r + 5\frac{1}{6}\right) + 18\frac{1}{10}\left(\frac{1}{2}r + \frac{15}{29}\right) > 184\frac{89863}{153120}$$

$$5) 1\frac{4}{5}\left(x + \frac{304}{29}\right) + \frac{7}{11}\left(12\frac{9}{14}x - \frac{17}{22}\right) \geq 132\frac{102551}{175450}$$

$$6) 4\frac{2}{3}\left(\frac{2}{3}b - \frac{17}{18}\right) - \left(-\frac{41}{37}b + \frac{34}{33}\right) \geq -6\frac{49477}{76923}$$

$$7) 23\left(13\frac{11}{37}n - \frac{69}{34}\right) + 14\frac{6}{7}\left(14\frac{5}{18}n + \frac{5}{3}\right) \geq \frac{141624515}{1030302}$$

$$8) 20\frac{15}{32}\left(\frac{709}{40}v + \frac{11}{2}\right) - \frac{495}{16}\left(\frac{263}{30}v - \frac{47}{22}\right) < 64\frac{189}{1024}$$

$$9) \frac{1}{11}\left(\frac{26}{21}a + \frac{126}{11}\right) + \frac{1403}{37}\left(1\frac{15}{26}a + 1\frac{2}{19}\right) > -\frac{11653703}{21111090}$$

$$10) 10\frac{17}{38}\left(1\frac{8}{11}x + 1\right) - \frac{13}{7}\left(7\frac{17}{22}x + 1\frac{6}{11}\right) < \frac{11905}{3762}$$

$$11) 12\frac{7}{9}\left(4\frac{1}{36}x - 1\frac{1}{2}\right) + \frac{112}{9}\left(\frac{191}{15}x + 1\frac{28}{33}\right) > -234\frac{8368}{18315}$$

$$12) \frac{15}{13}\left(2\frac{14}{31}k + \frac{2}{23}\right) + 20\frac{29}{37}\left(k + \frac{478}{39}\right) \leq 66\frac{79823}{765049}$$

$$13) \frac{11}{30}\left(1\frac{8}{19}p - \frac{17}{20}\right) - \frac{2}{5}\left(\frac{265}{31}p + \frac{11}{16}\right) < 1\frac{1177517}{1678650}$$

$$14) 20\frac{2}{17}\left(2a + 2\frac{10}{13}\right) + 7\frac{19}{20}\left(-\frac{4}{7}a + 1\right) > 24\frac{61683}{154700}$$

$$15) 1\frac{13}{17}\left(-\frac{5}{7}x + \frac{168}{11}\right) - 2\frac{4}{5}\left(-\frac{7}{5}x + \frac{1}{2}\right) \leq 27\frac{24889}{65450}$$

$$16) 3\frac{1}{10}\left(5\frac{2}{3}m - \frac{13}{7}\right) + 2\frac{11}{21}\left(-\frac{9}{10}m + 1\right) < 19\frac{397}{7350}$$

$$17) 17\frac{9}{16}\left(\frac{5}{11}r + 1\frac{2}{7}\right) - \frac{3}{11}\left(-\frac{127}{32}r + 3\frac{1}{5}\right) < 132\frac{16801}{18480}$$

$$18) 40\left(\frac{15}{29}n - \frac{34}{39}\right) - \frac{4}{5}\left(1\frac{1}{2}n + \frac{3}{13}\right) < -55\frac{23903}{28275}$$

$$19) 15\frac{3}{32}\left(2\frac{7}{11}x + 20\right) + \frac{232}{25}\left(\frac{521}{37}x + 2\right) \leq \frac{64087}{200}$$

$$20) \frac{152}{9}\left(n + \frac{7}{4}\right) + 18\frac{1}{4}\left(\frac{55}{6}n - 1\frac{15}{17}\right) \leq 153\frac{307}{4284}$$

$$21) 6\frac{18}{25}\left(-\frac{1}{30}v + \frac{2}{5}\right) - 18\left(\frac{111}{10}v + \frac{29}{2}\right) \leq -58\frac{36}{125}$$

$$22) \frac{1}{3}\left(15\frac{8}{15}b + \frac{5}{4}\right) + 5\frac{13}{19}\left(1\frac{4}{9}b + 1\frac{11}{15}\right) < \frac{126697}{3420}$$

$$23) -\frac{21}{16}\left(\frac{10}{9}x - \frac{3}{4}\right) + 9\frac{1}{6}\left(x + 11\frac{1}{33}\right) > 113\frac{3097}{4032}$$

$$24) 5\frac{11}{26}\left(n + 1\frac{12}{17}\right) + 2\frac{1}{39}\left(-\frac{51}{26}n + 1\right) > 24\frac{9157}{17238}$$

$$25) 1\frac{10}{11}\left(\frac{7}{5}k + \frac{3}{37}\right) + \frac{139}{16}\left(-1\frac{8}{11}k + 7\frac{7}{29}\right) < -\frac{1830454331}{15107840}$$

$$26) 10 \frac{1}{12} \left(-1 \frac{17}{18} a + \frac{17}{30} \right) + \frac{11}{6} \left(25a + 1 \frac{3}{10} \right) \geq \frac{9163}{432}$$

$$27) -\frac{1}{2} \left(9 \frac{1}{3} x - 1 \frac{15}{38} \right) - \frac{17}{13} \left(\frac{1}{2} x + \frac{665}{34} \right) < -23 \frac{6971}{7904}$$

$$28) \frac{53}{26} \left(-2 \frac{14}{37} x + 1 \right) - \frac{73}{32} \left(x + 1 \frac{4}{27} \right) \geq \frac{56120417}{5402592}$$

$$29) -3 \frac{7}{26} \left(\frac{11}{31} n + 10 \frac{5}{8} \right) + 7 \frac{19}{32} \left(-\frac{1}{6} n - 8 \right) \leq -140 \frac{325}{10912}$$

$$30) 11 \frac{22}{39} \left(1 \frac{5}{7} m + 1 \right) - 2 \frac{2}{5} \left(17 \frac{7}{12} m + 20 \frac{4}{33} \right) < -139 \frac{1553}{11154}$$

Inequality tasks:

$$1) 17\left(15\frac{1}{8}p + 11\frac{25}{26}\right) + \frac{76}{25}\left(p - \frac{73}{20}\right) < -\frac{2132519}{6500}$$

$$p < -2$$

$$2) 7\frac{3}{22}\left(x - \frac{7}{15}\right) + \frac{1}{4}\left(x + \frac{227}{13}\right) \geq 109\frac{5227}{60060}$$

$$x \geq \frac{512}{35}$$

$$3) -\frac{3}{5}\left(7\frac{8}{33}n - \frac{32}{29}\right) + 5\frac{1}{2}\left(\frac{2}{5}n + 9\frac{2}{25}\right) \geq 50\frac{524}{7975}$$

$$n \leq \frac{1}{4}$$

$$4) 7\frac{1}{22}\left(r + 5\frac{1}{6}\right) + 18\frac{1}{10}\left(\frac{1}{2}r + \frac{15}{29}\right) > 184\frac{89863}{153120}$$

$$r > \frac{69}{8}$$

$$5) 1\frac{4}{5}\left(x + \frac{304}{29}\right) + \frac{7}{11}\left(12\frac{9}{14}x - \frac{17}{22}\right) \geq 132\frac{102551}{175450}$$

$$x \geq \frac{58}{5}$$

$$6) 4\frac{2}{3}\left(\frac{2}{3}b - \frac{17}{18}\right) - \left(-\frac{41}{37}b + \frac{34}{33}\right) \geq -6\frac{49477}{76923}$$

$$b \geq -\frac{2}{7}$$

$$7) 23\left(13\frac{11}{37}n - \frac{69}{34}\right) + 14\frac{6}{7}\left(14\frac{5}{18}n + \frac{5}{3}\right) \geq \frac{141624515}{1030302}$$

$$n \geq \frac{4}{13}$$

$$8) 20\frac{15}{32}\left(\frac{709}{40}v + \frac{11}{2}\right) - \frac{495}{16}\left(\frac{263}{30}v - \frac{47}{22}\right) < 64\frac{189}{1024}$$

$$v < -\frac{5}{4}$$

$$9) \frac{1}{11}\left(\frac{26}{21}a + \frac{126}{11}\right) + \frac{1403}{37}\left(1\frac{15}{26}a + 1\frac{2}{19}\right) > -\frac{11653703}{21111090}$$

$$a > -\frac{1512586871}{1027000237}$$

$$10) 10\frac{17}{38}\left(1\frac{8}{11}x + 1\right) - \frac{13}{7}\left(7\frac{17}{22}x + 1\frac{6}{11}\right) < \frac{11905}{3762}$$

$$x < -\frac{11}{9}$$

$$11) 12\frac{7}{9}\left(4\frac{1}{36}x - 1\frac{1}{2}\right) + \frac{112}{9}\left(\frac{191}{15}x + 1\frac{28}{33}\right) > -234\frac{8368}{18315}$$

$$x > -\frac{42}{37}$$

$$12) \frac{15}{13}\left(2\frac{14}{31}k + \frac{2}{23}\right) + 20\frac{29}{37}\left(k + \frac{478}{39}\right) \leq 66\frac{79823}{765049}$$

$$k \leq -\frac{55}{29}$$

$$13) \frac{11}{30}\left(1\frac{8}{19}p - \frac{17}{20}\right) - \frac{2}{5}\left(\frac{265}{31}p + \frac{11}{16}\right) < 1\frac{1177517}{1678650}$$

$$p > -\frac{15}{19}$$

$$14) 20\frac{2}{17}\left(2a + 2\frac{10}{13}\right) + 7\frac{19}{20}\left(-\frac{4}{7}a + 1\right) > 24\frac{61683}{154700}$$

$$a > -\frac{11}{10}$$

$$15) 1\frac{13}{17}\left(-\frac{5}{7}x + \frac{168}{11}\right) - 2\frac{4}{5}\left(-\frac{7}{5}x + \frac{1}{2}\right) \leq 27\frac{24889}{65450}$$

$$x \leq \frac{11}{16}$$

$$16) 3\frac{1}{10}\left(5\frac{2}{3}m - \frac{13}{7}\right) + 2\frac{11}{21}\left(-\frac{9}{10}m + 1\right) < 19\frac{397}{7350}$$

$$m < \frac{51}{35}$$

$$17) 17\frac{9}{16}\left(\frac{5}{11}r + 1\frac{2}{7}\right) - \frac{3}{11}\left(-\frac{127}{32}r + 3\frac{1}{5}\right) < 132\frac{16801}{18480}$$

$$r < \frac{184}{15}$$

$$18) 40\left(\frac{15}{29}n - \frac{34}{39}\right) - \frac{4}{5}\left(1\frac{1}{2}n + \frac{3}{13}\right) < -55\frac{23903}{28275}$$

$$n < -\frac{16}{15}$$

$$19) 15\frac{3}{32}\left(2\frac{7}{11}x + 20\right) + \frac{232}{25}\left(\frac{521}{37}x + 2\right) \leq \frac{64087}{200}$$

$$x \leq 0$$

$$20) \frac{152}{9}\left(n + \frac{7}{4}\right) + 18\frac{1}{4}\left(\frac{55}{6}n - 1\frac{15}{17}\right) \leq 153\frac{307}{4284}$$

$$n \leq \frac{6}{7}$$

$$21) 6\frac{18}{25}\left(-\frac{1}{30}v + \frac{2}{5}\right) - 18\left(\frac{111}{10}v + \frac{29}{2}\right) \leq -58\frac{36}{125}$$

$$v \geq -1$$

$$22) \frac{1}{3}\left(15\frac{8}{15}b + \frac{5}{4}\right) + 5\frac{13}{19}\left(1\frac{4}{9}b + 1\frac{11}{15}\right) < \frac{126697}{3420}$$

$$b < 2$$

$$23) -\frac{21}{16}\left(\frac{10}{9}x - \frac{3}{4}\right) + 9\frac{1}{6}\left(x + 11\frac{1}{33}\right) > 113\frac{3097}{4032}$$

$$x > \frac{53}{35}$$

$$24) 5\frac{11}{26}\left(n + 1\frac{12}{17}\right) + 2\frac{1}{39}\left(-\frac{51}{26}n + 1\right) > 24\frac{9157}{17238}$$

$$n > \frac{64}{7}$$

$$25) 1\frac{10}{11}\left(\frac{7}{5}k + \frac{3}{37}\right) + \frac{139}{16}\left(-1\frac{8}{11}k + 7\frac{7}{29}\right) < -\frac{1830454331}{15107840}$$

$$k > -\frac{1511748005}{186324304}$$

$$26) 10 \frac{1}{12} \left(-1 \frac{17}{18} a + \frac{17}{30} \right) + \frac{11}{6} \left(25a + 1 \frac{3}{10} \right) \geq \frac{9163}{432}$$

$$a \geq \frac{1}{2}$$

$$27) -\frac{1}{2} \left(9 \frac{1}{3} x - 1 \frac{15}{38} \right) - \frac{17}{13} \left(\frac{1}{2} x + \frac{665}{34} \right) < -23 \frac{6971}{7904}$$

$$x > -\frac{3}{16}$$

$$28) \frac{53}{26} \left(-2 \frac{14}{37} x + 1 \right) - \frac{73}{32} \left(x + 1 \frac{4}{27} \right) \geq \frac{56120417}{5402592}$$

$$x \leq -\frac{20}{13}$$

$$29) -3 \frac{7}{26} \left(\frac{11}{31} n + 10 \frac{5}{8} \right) + 7 \frac{19}{32} \left(-\frac{1}{6} n - 8 \right) \leq -140 \frac{325}{10912}$$

$$n \geq \frac{202}{11}$$

$$30) 11 \frac{22}{39} \left(1 \frac{5}{7} m + 1 \right) - 2 \frac{2}{5} \left(17 \frac{7}{12} m + 20 \frac{4}{33} \right) < -139 \frac{1553}{11154}$$

$$m > \frac{119}{26}$$