

Lineare Gleichungen - LG 7

Name _____ Datum _____

Löse folgende Gleichungen!

1) $-\frac{22}{9} = -v + \frac{7}{3}v$

2) $-\frac{3}{5}a - 1 - 2\frac{1}{2} = -\frac{91}{20}$

3) $\frac{8}{5}n - 1 = n + \frac{7}{5} + \frac{17}{5}n + \frac{9}{5}$

4) $\frac{41}{45} + 2\frac{5}{6}k = \frac{5}{2}k + \frac{29}{5}k$

5) $-\frac{232}{45} + 2\frac{1}{6}x = -\frac{16}{5}x + 1 + \frac{3}{4}x$

6) $\frac{1}{3}v - 1 = \frac{39}{10} + \frac{2}{3}v - \frac{18}{5}v$

7) $\frac{1031}{120} + \frac{1}{2}r = \frac{7}{3}r + \frac{11}{6} + \frac{4}{5}$

8) $-4b - \frac{3}{2}b = -\frac{721}{60} + \frac{4}{3}b + \frac{7}{4}b$

9) $-\frac{11}{4} - n = n - \frac{11}{4}$

10) $\frac{3}{2}x + \frac{4}{5}x = -2x + \frac{301}{50}$

11) $\frac{2}{3}m + \frac{3}{5} = \frac{41}{5} + \frac{2}{3}m + \frac{19}{4}m$

12) $-\frac{1}{2}a + 1 = \frac{17}{12} - 1\frac{3}{4}a$

13) $\frac{805}{12} = \frac{23}{6}\left(-\frac{10}{3}r + \frac{5}{6}\right)$

14) $\frac{592}{9} = 6\left(\frac{19}{5}n + \frac{1}{3}\right) - \frac{11}{3}n$

15) $-\frac{10}{3}\left(\frac{11}{3}x + 1\right) = -\frac{230}{3}$

16) $-6\left(4m + \frac{1}{2}\right) = 81$

17) $-\frac{4895}{48} = -\frac{15}{4}\left(\frac{23}{6}p + 1\right)$

18) $v + 31 = \frac{5}{2}\left(\frac{13}{4}v + 1\right)$

19) $\frac{17}{5} - 4x = -\frac{17}{7}\left(\frac{1}{2}x + \frac{5}{2}\right)$

20) $\frac{1}{2} - 7\left(\frac{11}{5}n + 1\right) = -\frac{369}{14} - 1\frac{1}{2}n$

21) $\frac{3}{2}\left(2b + \frac{5}{4}\right) = -1\frac{3}{8}b + \frac{645}{64}$

22) $-\frac{877}{35} - 5\frac{3}{4}x = -2\left(-\frac{15}{7}x + \frac{9}{2}\right)$