

Practice - Fractions

Solve each equation.

1) $\frac{3}{5}(1+p) = \frac{21}{20}$

2) $-\frac{1}{2} = \frac{3}{2}k + \frac{3}{2}$

3) $0 = -\frac{5}{4}(x - \frac{6}{5})$

4) $\frac{3}{2}n - \frac{8}{3} = -\frac{29}{12}$

5) $\frac{3}{4} - \frac{5}{4}m = \frac{113}{24}$

6) $\frac{11}{4} + \frac{3}{4}r = \frac{163}{32}$

7) $\frac{635}{72} = -\frac{5}{2}(-\frac{11}{4} + x)$

8) $-\frac{16}{9} = -\frac{4}{3}(\frac{5}{3} + n)$

9) $2b + \frac{9}{5} = -\frac{11}{5}$

10) $\frac{3}{2} - \frac{7}{4}v = -\frac{9}{8}$

11) $\frac{3}{2}(\frac{7}{3}n + 1) = \frac{3}{2}$

12) $\frac{41}{9} = \frac{5}{2}(x + \frac{2}{3}) - \frac{1}{3}x$

13) $-a - \frac{5}{4}(-\frac{8}{3}a + 1) = -\frac{19}{4}$

14) $\frac{1}{3}(-\frac{7}{4}k + 1) - \frac{10}{3}k = -\frac{13}{8}$

15) $\frac{55}{6} = -\frac{5}{2}(\frac{3}{2}p - \frac{5}{3})$

16) $-\frac{1}{2}(\frac{2}{3}x - \frac{3}{4}) - \frac{7}{2}x = -\frac{83}{24}$

17) $\frac{16}{9} = -\frac{4}{3}(-\frac{4}{3}n - \frac{4}{3})$

18) $\frac{2}{3}(m + \frac{9}{4}) - \frac{10}{3} = -\frac{53}{18}$

19) $-\frac{5}{8} = \frac{5}{4}(r - \frac{3}{2})$

20) $\frac{1}{12} = \frac{4}{3}x + \frac{5}{3}(x - \frac{7}{4})$

21) $-\frac{11}{3} + \frac{3}{2}b = \frac{5}{2}(b - \frac{5}{3})$

22) $\frac{7}{6} - \frac{4}{3}n = -\frac{3}{2}n + 2(n + \frac{3}{2})$

23) $-(-\frac{5}{2}x - \frac{3}{2}) = -\frac{3}{2} + x$

24) $-\frac{149}{16} - \frac{11}{3}r = -\frac{7}{4}r - \frac{5}{4}(-\frac{4}{3}r + 1)$

25) $\frac{45}{16} + \frac{3}{2}n = -\frac{7}{4}v - \frac{19}{6}$

26) $-\frac{7}{2}(\frac{5}{3}a + \frac{1}{3}) = \frac{11}{4}a + \frac{25}{8}$

27) $\frac{3}{2}(v + \frac{3}{2}) = -\frac{7}{4}v - \frac{19}{6}$

28) $-\frac{8}{3} - \frac{1}{2}x = -\frac{4}{3}x - \frac{2}{3}(-\frac{13}{4}x + 1)$

29) $\frac{47}{9} + \frac{3}{2}x = \frac{5}{3}(\frac{5}{2}x + 1)$

30) $\frac{1}{3}n + \frac{29}{6} = 2(\frac{4}{3}n + \frac{2}{3})$



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Answers to Fractions

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|------------------------|------------------------|------------------------|
| 1) $\{\frac{3}{4}\}$ | 11) $\{0\}$ | 22) $\{-1\}$ |
| 2) $\{-\frac{4}{3}\}$ | 12) $\{\frac{4}{3}\}$ | 23) $\{-2\}$ |
| 3) $\{\frac{6}{5}\}$ | 13) $\{-\frac{3}{2}\}$ | 24) $\{-\frac{9}{4}\}$ |
| 4) $\{\frac{1}{6}\}$ | 14) $\{\frac{1}{2}\}$ | 25) $\{-\frac{7}{2}\}$ |
| 5) $\{-\frac{19}{6}\}$ | 15) $\{-\frac{4}{3}\}$ | 26) $\{-\frac{1}{2}\}$ |
| 6) $\{\frac{25}{8}\}$ | 16) $\{1\}$ | 27) $\{-\frac{5}{3}\}$ |
| 7) $\{-\frac{7}{9}\}$ | 17) $\{0\}$ | 28) $\{-\frac{3}{2}\}$ |
| 8) $\{-\frac{1}{3}\}$ | 18) $\{-\frac{5}{3}\}$ | 29) $\{\frac{4}{3}\}$ |
| 9) $\{-2\}$ | 19) $\{1\}$ | 30) $\{\frac{3}{2}\}$ |
| 10) $\{\frac{3}{2}\}$ | 20) $\{1\}$ | |
| | 21) $\{\frac{1}{2}\}$ | |



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