

1.4 Practice - Fractions

Solve each equation.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



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Answers to Solving with Fractions

- | | | |
|--------------------|--------------------|--------------------|
| 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) 16 |
| 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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