

2-5 Equations With Fractions_hw

Solve each equation.

1) $\frac{5}{2} = \frac{3}{2}x + 1$

2) $\frac{1}{2}b + \frac{3}{2} = \frac{7}{8}$

3) $\frac{7}{4} = \frac{3}{2}x - 2$

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

5) $-\frac{7}{3} = -1 - \frac{8}{3}v$

6) $2x + \frac{5}{2} = \frac{1}{2}$

7) $-\frac{7}{3} + \frac{1}{2}x = -\frac{11}{6}$

8) $\frac{3}{4} = -\frac{1}{2}m + 1$

9) $-\frac{13}{3} = \frac{5}{2}a + \frac{2}{3}$

10) $\frac{26}{3} = 2n + 2$

$$11) \frac{27}{4} = \frac{5}{2}k + 1 + 2$$

$$12) 3 = 2x + \frac{5}{2}x$$

$$13) \frac{28}{9} = \frac{1}{3}x + x$$

$$14) \frac{3}{4} = \frac{1}{2}n - \frac{3}{2} + 1$$

$$15) \frac{19}{4} = -\frac{1}{2}x + \frac{1}{2} - \frac{7}{3}x$$

$$16) -\frac{3}{4} = -\frac{1}{2}n - 1 - \frac{3}{2}$$

$$17) -\frac{10}{9} = -\frac{8}{3}m + 2m$$

$$18) -\frac{8}{9} = -3n + \frac{7}{3}n$$

$$19) \frac{7}{2} = -\frac{1}{3}r - 2r$$

$$20) \frac{1}{9} = \frac{5}{3}v + 1 - 2$$

Answers to 2-5 Equations With Fractions_hw

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|-----------------------|------------------------|------------------------|------------------------|
| 1) {1} | 2) $\{-\frac{5}{4}\}$ | 3) $\{\frac{5}{2}\}$ | 4) $\{\frac{1}{2}\}$ |
| 5) $\{\frac{1}{2}\}$ | 6) {-1} | 7) {1} | 8) $\{\frac{1}{2}\}$ |
| 9) {-2} | 10) $\{\frac{10}{3}\}$ | 11) $\{\frac{3}{2}\}$ | 12) $\{\frac{2}{3}\}$ |
| 13) $\{\frac{7}{3}\}$ | 14) $\{\frac{5}{2}\}$ | 15) $\{-\frac{3}{2}\}$ | 16) $\{-\frac{7}{2}\}$ |
| 17) $\{\frac{5}{3}\}$ | 18) $\{\frac{4}{3}\}$ | 19) $\{-\frac{3}{2}\}$ | 20) $\{\frac{2}{3}\}$ |