

## One-Step Equations - Fractions & Decimals

Add/Sub: 53

- 1) A pitcher contains  $2\frac{2}{3}$  cups of mint juice. Samantha adds some lemonade to the mint juice. If the pitcher holds  $3\frac{1}{3}$  cups of mint lemonade, how many cups of lemonade were added to the mint juice?

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- 2) Andrew's hiking pole measures  $47\frac{1}{2}$  inches. He fixes the adjustable pole at  $39\frac{3}{4}$  inches according to the instructions. How many inches did he adjust?

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- 3) Amanda sold a novel for \$12.50. She incurred a loss of \$2.50 on the sale. How much did she pay for the novel, if she

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- 4) The Sunshine Club is celebrating its annual celebration. If  $\frac{2}{3}$  of the pamphlets were distributed, what fraction of pamphlets were left?

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- 5) The weekly income of Mathew and his son, Romney amounts to \$941.67. His son quits his job; hence their weekly income drops to \$540.95. What was Romney's weekly income?

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**Answer key****One-Step Equations - Fractions & Decimals**

Add/Sub: 53

- 1) A pitcher contains  $2\frac{2}{3}$  cups of mint juice. Samantha adds some lemonade to the mint juice. If the pitcher holds  $3\frac{1}{3}$  cups of mint lemonade, how many cups of lemonade were added to the mint juice?

$$x + 2\frac{2}{3} = 3\frac{1}{3}; \frac{2}{3} \text{ cups}$$

- 2) Andrew's hiking pole measures  $47\frac{1}{2}$  inches. He fixes the adjustable pole at  $39\frac{3}{4}$  inches according to the instructions. How many inches of the pole did he adjust?

$$x + 39\frac{3}{4} = 47\frac{1}{2}$$

- 3) Amanda sold a novel for \$14.53 and incurred a loss of \$14.53. How much did she pay for the novel, if she sold it for \$29.06?

$$x - 14.53 = 29.06$$

- 4) The Sunshine Club is celebrating its annual celebration. If  $\frac{2}{3}$  of the pamphlets were distributed and  $\frac{1}{4}$  of the pamphlets were left, what fraction of the pamphlets were not distributed?

$$x + \frac{2}{3} = \frac{3}{4}; \frac{1}{12} \text{ of the pamphlets}$$

- 5) The weekly income of Mathew and his son, Romney amounts to \$941.67. His son quits his job; hence their weekly income drops to \$540.95. What was Romney's weekly income?

$$x + 540.95 = 941.67; \$400.72$$

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