Solve each problem. Write the answer as an improper fraction (if possible).

- A small box of nails was $10^{1/6}$ inches tall. If the large box of nails was $5^{1/6}$ inches taller, how tall is the large box of nails?

Answers

- Lana's new puppy weighed $6\frac{2}{10}$ pounds. After a month it had gained $6\frac{9}{10}$ pounds. What is the weight of the puppy after a month?

- An architect built a road $7\frac{5}{9}$ miles long. The next road he built was $6\frac{8}{9}$ miles long. What is the combined length of the two roads?
- A recipe called for using $4\frac{4}{7}$ cups of flour before baking and another $10\frac{2}{7}$ cups after baking. What is the total amount of flour needed in the recipe?

- On Monday Jerry spent $6\frac{1}{6}$ hours studying. On Tuesday he spent another $5\frac{4}{6}$ hours studying. What is the combined time he spent studying?
- A coach filled up a cooler with water until it weighed $5\frac{7}{8}$ pounds. After the game the cooler weighed $4\frac{1}{2}$ pounds. How many pounds lighter was the cooler after the game?

- A restaurant had $9\frac{2}{3}$ gallons of soup at the start of the day. By the end of the day they had $8\frac{2}{3}$ gallons left. How many gallons of soup did they use during the day?

- Edward spent $6\frac{2}{8}$ hours working on his reading and math homework. If he spent $2\frac{1}{8}$ hours on his reading homework, how much time did he spend on his math homework?
- Nancy had planned to walk $7\frac{5}{8}$ miles on Wednesday. If she walked $2\frac{5}{8}$ miles in the morning, how far would she need to walk in the afternoon?
- A chef had $10\frac{4}{6}$ pounds of carrots. If he later used $4\frac{3}{6}$ pounds in a recipe, how many pounds of carrots does he have left?



Answer Key Name:

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33/8	⁷¹ / ₆	14/8	131/10	130/9
104/7	3/3	92/6	$\frac{37}{6}$	40/8

- 1) A small box of nails was $10^{1}/_{6}$ inches tall. If the large box of nails was $5^{1}/_{6}$ inches taller, how tall is the large box of nails? (LCM = 6)
- 2) Lana's new puppy weighed $6^2/_{10}$ pounds. After a month it had gained $6^9/_{10}$ pounds. What is the weight of the puppy after a month? (LCM = 10)
- 3) An architect built a road $7\frac{5}{9}$ miles long. The next road he built was $6\frac{8}{9}$ miles long. What is the combined length of the two roads? (LCM = 9)
- 4) A recipe called for using $4\frac{4}{7}$ cups of flour before baking and another $10\frac{2}{7}$ cups after baking. What is the total amount of flour needed in the recipe? (LCM = 7)
- 5) On Monday Jerry spent $6\frac{1}{6}$ hours studying. On Tuesday he spent another $5\frac{4}{6}$ hours studying. What is the combined time he spent studying? (LCM = 6)
- 6) A coach filled up a cooler with water until it weighed $5\frac{7}{8}$ pounds. After the game the cooler weighed $4\frac{1}{8}$ pounds. How many pounds lighter was the cooler after the game? (LCM = 8)
- 7) A restaurant had $9\frac{2}{3}$ gallons of soup at the start of the day. By the end of the day they had $8\frac{2}{3}$ gallons left. How many gallons of soup did they use during the day? (LCM = 3)
- 8) Edward spent $6\frac{2}{8}$ hours working on his reading and math homework. If he spent $2\frac{1}{8}$ hours on his reading homework, how much time did he spend on his math homework? (LCM = 8)
- 9) Nancy had planned to walk $7\frac{5}{8}$ miles on Wednesday. If she walked $2\frac{5}{8}$ miles in the morning, how far would she need to walk in the afternoon? (LCM = 8)
- 10) A chef had $10\frac{4}{6}$ pounds of carrots. If he later used $4\frac{3}{6}$ pounds in a recipe, how many pounds of carrots does he have left? (LCM = 6)

- 1.
- 2. _____
- 3. _____
- 4. _____
- 5. _____
- 6. _____
- 7. _____
- 8. _____
- Э. _____
- 10. ____