



Solve each problem.

Answers

- 1) Dave bought a box of fruit that weighed $8\frac{3}{9}$ kilograms. If he bought a second box that weighed $10\frac{2}{5}$ kilograms, what is the combined weight of both boxes?
- 2) On Monday Luke spent $9\frac{6}{9}$ hours studying. On Tuesday he spent another $4\frac{2}{3}$ hours studying. What is the combined time he spent studying?
- 3) Katie and her friend were seeing who could pick up more bags of cans. Katie picked up $6\frac{9}{10}$ bags and her friend picked up $4\frac{1}{2}$ bags. How much more did Katie pick up, then her friend?
- 4) A large box of nails weighed $5\frac{2}{3}$ ounces. A small box of nails weighed $4\frac{1}{5}$ ounces. What is the difference in weight between the two boxes?
- 5) In December it snowed $4\frac{2}{3}$ inches. In January it snowed $2\frac{1}{2}$ inches. What is the combined amount of snow for December and January?
- 6) The combined height of two pieces of wood was $7\frac{4}{9}$ inches. If the first piece of wood was $4\frac{1}{4}$ inches high, how tall was the second piece?
- 7) Sarah had planned to walk $9\frac{7}{9}$ miles on Wednesday. If she walked $6\frac{1}{2}$ miles in the morning, how far would she need to walk in the afternoon?
- 8) An architect built a road $10\frac{3}{5}$ miles long. The next road he built was $2\frac{3}{8}$ miles long. What is the combined length of the two roads?
- 9) A king size chocolate bar was $13\frac{9}{10}$ inches long. The regular size bar was $7\frac{1}{2}$ inches long. What is the difference in length between the two bars?
- 10) While exercising Ned jogged $6\frac{1}{5}$ kilometers and walked $8\frac{1}{4}$ kilometers. What is the total distance he traveled?

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Answers

1. $843/45 = 281/15$
2. $129/9 = 43/3$
3. $24/10 = 12/5$
4. $22/15 = 22/15$
5. $43/6 = 43/6$
6. $115/36 = 115/36$
7. $59/18 = 59/18$
8. $519/40 = 519/40$
9. $64/10 = 32/5$
10. $289/20 = 289/20$



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$$\begin{array}{cccccc} 519/40 = 519/40 & 22/15 = 22/15 & 115/36 = 115/36 & 43/6 = 43/6 & 24/10 = 12/5 \\ 289/20 = 289/20 & 64/10 = 32/5 & 59/18 = 59/18 & 129/9 = 43/3 & 843/45 = 281/15 \end{array}$$

Answers

- 1) Dave bought a box of fruit that weighed $8\frac{3}{9}$ kilograms. If he bought a second box that weighed $10\frac{2}{5}$ kilograms, what is the combined weight of both boxes?
(LCM = 45)
- 2) On Monday Luke spent $9\frac{6}{9}$ hours studying. On Tuesday he spent another $4\frac{2}{3}$ hours studying. What is the combined time he spent studying?
(LCM = 9)
- 3) Katie and her friend were seeing who could pick up more bags of cans. Katie picked up $6\frac{9}{10}$ bags and her friend picked up $4\frac{1}{2}$ bags. How much more did Katie pick up, then her friend?
(LCM = 10)
- 4) A large box of nails weighed $5\frac{2}{3}$ ounces. A small box of nails weighed $4\frac{1}{5}$ ounces. What is the difference in weight between the two boxes?
(LCM = 15)
- 5) In December it snowed $4\frac{2}{3}$ inches. In January it snowed $2\frac{1}{2}$ inches. What is the combined amount of snow for December and January?
(LCM = 6)
- 6) The combined height of two pieces of wood was $7\frac{4}{9}$ inches. If the first piece of wood was $4\frac{1}{4}$ inches high, how tall was the second piece?
(LCM = 36)
- 7) Sarah had planned to walk $9\frac{7}{9}$ miles on Wednesday. If she walked $6\frac{1}{2}$ miles in the morning, how far would she need to walk in the afternoon?
(LCM = 18)
- 8) An architect built a road $10\frac{3}{5}$ miles long. The next road he built was $2\frac{3}{8}$ miles long. What is the combined length of the two roads?
(LCM = 40)
- 9) A king size chocolate bar was $13\frac{9}{10}$ inches long. The regular size bar was $7\frac{1}{2}$ inches long. What is the difference in length between the two bars?
(LCM = 10)
- 10) While exercising Ned jogged $6\frac{1}{5}$ kilometers and walked $8\frac{1}{4}$ kilometers. What is the total distance he traveled?
(LCM = 20)

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