

**Solve each word problem below. Simplify your result, if necessary.**

1. In one week, Shirley's family drank 2 and  $\frac{7}{12}$  cartons of regular milk and 4 and  $\frac{3}{8}$  cartons of low-fat milk. How much milk did they drink in all?

$$6\frac{23}{24} \text{ cartons}$$

2. A contractor bought 16 and  $\frac{3}{10}$  tons of sand, of which she used to 8 and  $\frac{4}{5}$  tons to build a playground. How much sand did she have left?

$$7\frac{1}{2} \text{ tons}$$

3. At a party, Andre and his friends had 2 and  $\frac{2}{3}$  cheese pizzas and 4 and  $\frac{5}{6}$  pepperoni pizzas. How much pizza did they eat in all?

$$7\frac{1}{2} \text{ pizzas}$$

4. Corey weighed 63 and  $\frac{4}{5}$  kilograms at the beginning of the month and 66 and  $\frac{3}{4}$  kilograms at the end of the month. What is the difference of these weights?

$$2\frac{19}{20} \text{ kg}$$

5. Nick used 7 and  $\frac{5}{6}$  packages of soil in his garden one week, and 6 and  $\frac{7}{8}$  packages of soil the next week. How much soil did he use altogether?

$$14\frac{17}{24} \text{ packages}$$

6. A restaurant served 3 and  $\frac{1}{4}$  plates of fruit to a large group of customers. If the customers ate 1 and  $\frac{7}{9}$  plates of fruit, then how many plates were left over?

$$1\frac{17}{36} \text{ plates}$$

7. A caterpillar crawled for 3 and  $\frac{7}{10}$  cm, and stopped to rest. If the caterpillar continued to crawl for another 5 and  $\frac{3}{4}$  cm, then how far did it crawl in all?

$$8\frac{19}{20} \text{ cm}$$

8. Lisa filled a measuring cup with 3 cups of olive oil. Then she poured 1 and  $\frac{5}{8}$  cups of the olive oil onto a salad plate. How much olive oil is left in the measuring cup?

$$1\frac{3}{8} \text{ cups}$$

9. An airline agent checked in 1 and  $\frac{2}{7}$  kilograms of baggage for one passenger and another 2 and  $\frac{1}{2}$  kilograms of baggage for his travel companion. If the weight limit for each group of travelers is 4 and  $\frac{1}{6}$  kilograms, then how many kilograms of luggage must they remove in order to board the airplane?

$$\frac{8}{21} \text{ kg}$$

10. Elena bought 3 and  $\frac{2}{3}$  pounds of red peppers and 1 and  $\frac{9}{16}$  of a pound of green peppers. How much more did the red peppers weigh than the green peppers?

$$2\frac{5}{48} \text{ lbs}$$