

## Lesson 9: Sums and Differences of Decimals

### Classwork

#### Exercises

Calculate each sum or difference.

1. Samantha and her friends are going on a road trip that is  $245\frac{7}{50}$  miles long. They have already driven  $128\frac{53}{100}$ . How much farther do they have to drive?
2. Ben needs to replace two sides of his fence. One side is  $367\frac{9}{100}$  meters long, and the other is  $329\frac{3}{10}$  meters long. How much fence does Ben need to buy?
3. Mike wants to paint his new office with two different colors. If he needs  $4\frac{4}{5}$  gallons of red paint and  $3\frac{1}{10}$  gallons of brown paint, how much paint does he need in total?
4. After Arianna completed some work, she figured she still had  $78\frac{21}{100}$  pictures to paint. If she completed another  $34\frac{23}{25}$  pictures, how many pictures does Arianna still have to paint?

Use a calculator to convert the fractions into decimals before calculating the sum or difference.

5. Rahzel wants to determine how much gasoline he and his wife use in a month. He calculated that he used  $78\frac{1}{3}$  gallons of gas last month. Rahzel's wife used  $41\frac{3}{8}$  gallons of gas last month. How much total gas did Rahzel and his wife use last month? Round your answer to the nearest hundredth.

**Problem Set**

1. Find each sum or difference.

a.  $381\frac{1}{10} - 214\frac{43}{100}$

b.  $32\frac{3}{4} - 12\frac{1}{2}$

c.  $517\frac{37}{50} + 312\frac{3}{100}$

d.  $632\frac{16}{25} + 32\frac{3}{10}$

e.  $421\frac{3}{50} - 212\frac{9}{10}$

2. Use a calculator to find each sum or difference. Round your answer to the nearest hundredth.

a.  $422\frac{3}{7} - 367\frac{5}{9}$

b.  $23\frac{1}{5} + 45\frac{7}{8}$