

Name _____

Date _____

Sums and Differences of Decimals

Solve each problem. Show that the placement of the decimal is correct through either estimation or fraction calculation.

1. $382\frac{3}{10} - 191\frac{87}{100}$

2. $594\frac{7}{25} + 89\frac{37}{100}$

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

Solve each problem. Show that the placement of the decimal is correct through either estimation or fraction calculation.

1. $382\frac{3}{10} - 191\frac{87}{100}$

Estimation: $382 - 192 = 190$

$382.3 - 191.87 = 190.43$

2. $594\frac{7}{25} + 89\frac{37}{100}$

Estimation: $594 + 89 = 683$

$594.28 + 89.37 = 683.85$

1. Find each sum or difference.

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

$381.1 - 214.43 = 166.67$

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

$32\frac{3}{4} - 12\frac{2}{4} = 20\frac{1}{4}$ or 20.25

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

$517.74 + 312.03 = 829.77$

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

$632.64 + 32.3 = 664.94$

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

$421.06 - 212.9 = 208.16$

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

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

$422.428571 - 367.555556 \approx 54.87$

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

$23.2 + 45.875 \approx 69.08$