

Section 2.3 Extra Practice

1. Estimate. Then, calculate. Show your work.

a) $\frac{3}{8} + \frac{1}{4}$

Round to 0, $\frac{1}{2}$, 1, $1\frac{1}{2}$, 2 ...

Estimate:

Calculate:

$$\begin{aligned} & \frac{3}{8} + \frac{1}{4} \\ &= \frac{3}{8} + \frac{\boxed{}}{8} \\ &= \frac{\boxed{}}{\boxed{}} \end{aligned}$$

b) $\frac{7}{10} - \frac{1}{2}$

Estimate:

Calculate:

c) $3\frac{2}{3} - 2\frac{1}{6}$

Estimate:

Calculate:

Change mixed numbers to improper fractions.

Find a common denominator.

Add the numerators.



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(continued)

2. Estimate. Then, calculate. Show your work.

a) $\frac{1}{3} \times \left(-\frac{4}{5}\right)$

Estimate:

Calculate:

b) $2\frac{1}{2} \times 3\frac{2}{3}$

Estimate:

Calculate:



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c) $-\frac{3}{4} \div \left(-\frac{2}{5}\right)$

Estimate:

Calculate:

d) $4\frac{1}{2} \div \left(-2\frac{1}{4}\right)$

Estimate:

Calculate:



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3. Mark has 24 newspapers to deliver. In one apartment building, he delivers $\frac{3}{8}$ of them. In the next apartment building, he delivers $\frac{2}{3}$ of the remaining amount. How many papers does he have left to deliver?

First apartment:

$$\begin{aligned} & \frac{3}{8} \times 24 \\ = & \frac{3}{8} \times \frac{24}{1} \\ = & \frac{\boxed{}}{\boxed{}} \\ = & \underline{} \end{aligned}$$

Second apartment:

$$\frac{2}{3} \times \text{remaining amount}$$

$$\begin{aligned} \text{Number of newspapers delivered} &= \underline{} + \underline{} \\ &= \underline{} \end{aligned}$$

$$\begin{aligned} \text{Number of newspapers left} &= \text{total newspapers} - \text{number of papers delivered} \\ &= \underline{} - \underline{} \\ &= \underline{} \end{aligned}$$

Sentence: _____



Name: _____ Date: _____

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(continued)

4. The Rodriguez family has a monthly income of \$6000. They budget $\frac{1}{3}$ for food, $\frac{1}{4}$ for rent, $\frac{1}{5}$ for clothing, and $\frac{1}{10}$ for savings. How much money is left for other expenses?

Food:

Rent:

Clothing:

Savings:

Amount of money spent =

Amount of money left =

Sentence: _____

