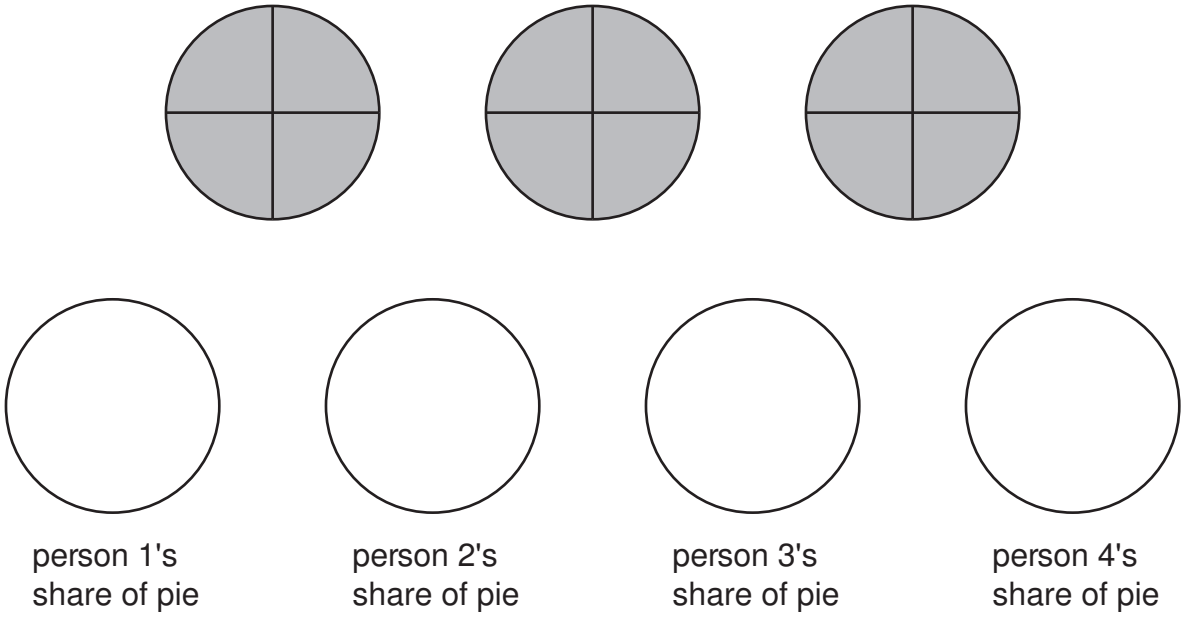
The problems on this page are about how the division problem $4\overline{)3}$ and the fraction $\frac{3}{4}$ are related and about how we can write the fraction $\frac{3}{4}$ as a decimal.

1. Four people will share 3 pies equally. Each person will put their share of pie in a pie tin. Draw in the picture to show how much pie each person gets.

   What fraction of each person's pie tin is filled with pie?

   Answer:_____



2. Four people will share \$3 equally. How much money does each person get?

   Answer:_____

3. One way to write the fraction $\frac{3}{4}$ as a decimal is to divide $4\overline{)3}$ as you might have done in problem 2. Another way to write $\frac{3}{4}$ as a decimal is to find an equivalent fraction first. Fill the box to make an equivalent fraction. Then write the new fraction as a decimal.

$$\frac{3}{4} = \frac{\square}{100} = \underline{\quad} \leftarrow \text{ write as decimal}$$

There are different strategies we can use to write a fraction as a decimal.

1. Write the following fractions as decimals by dividing the denominator into the numerator. For example, to write $\frac{3}{4}$ as a decimal, divide 4 into 3, $4\overline{)3.00}$.

$\frac{3}{4} =$ $\frac{1}{8} =$ $\frac{2}{11} =$ $\frac{1}{3} =$

$\frac{1}{4} =$ $\frac{3}{8} =$ $\frac{5}{11} =$ $\frac{2}{3} =$

2. Write the following fractions as decimals by first making an equivalent fraction with denominator 10 or 100. This strategy doesn't work for all fractions but it can be a quick method when it does work.

$\frac{1}{2} = \frac{\square}{10} =$ _____ ← write as decimal $\frac{3}{25} = \frac{\square}{\square} =$ _____ ← write as decimal

$\frac{3}{5} = \frac{\square}{\square} =$ _____ ← write as decimal $\frac{17}{50} = \frac{\square}{\square} =$ _____ ← write as decimal

$\frac{9}{20} = \frac{\square}{\square} =$ _____ ← write as decimal $\frac{1}{4} = \frac{\square}{\square} =$ _____ ← write as decimal

3. Use division to write the following fractions as decimals.

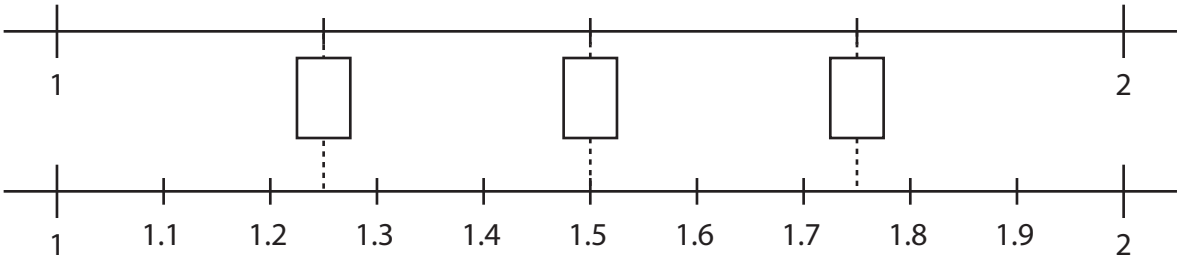
$\frac{3}{5} =$ $\frac{3}{8} =$ $\frac{1}{3} =$ $\frac{7}{11} =$

4. Write the following fractions as decimals by first making an equivalent fraction with denominator 10 or 100.

$\frac{2}{5} = \frac{\square}{\square} =$ _____ ← write as decimal $\frac{28}{50} = \frac{\square}{\square} =$ _____ ← write as decimal

$\frac{13}{20} = \frac{\square}{\square} =$ _____ ← write as decimal $\frac{2}{25} = \frac{\square}{\square} =$ _____ ← write as decimal

5. Fill the boxes under the first number line with the appropriate mixed numbers.



Use the number lines to write the mixed numbers on the first number line as decimals.

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