

Add Fractional Parts of 10 and 100

Sam uses 100 glass beads for a project. Of the beads, $\frac{35}{100}$ are gold and $\frac{4}{10}$ are silver. What fraction of the glass beads are gold or silver?

Add $\frac{35}{100}$ and $\frac{4}{10}$.

Step 1 Decide on a common denominator. Use 100.

Step 2 Write $\frac{4}{10}$ as an equivalent fraction with a denominator of 100.

$$\frac{4}{10} = \frac{4 \times 10}{10 \times 10} = \frac{40}{100}$$

Step 3 Add $\frac{35}{100}$ and $\frac{40}{100}$.

$$\frac{35}{100} + \frac{40}{100} = \frac{75}{100}$$

← Add the numerators.

← Use 100 as the denominator.

So, $\frac{75}{100}$ of the glass beads are gold or silver.

Add \$0.26 and \$0.59.

Step 1 Write each amount as a fraction of a dollar.

$$\$0.26 = \frac{26}{100} \text{ of a dollar}$$

$$\$0.59 = \frac{59}{100} \text{ of a dollar}$$

Step 2 Add $\frac{26}{100}$ and $\frac{59}{100}$.

$$\frac{26}{100} + \frac{59}{100} = \frac{85}{100}$$

← Add the numerators.

← 100 is the common denominator.

Step 3 Write the sum as a decimal.

$$\frac{85}{100} = 0.85$$

So, $\$0.26 + \$0.59 = \underline{\$0.85}$.

Find the sum.

1 $\frac{75}{100} + \frac{2}{10} = \underline{\hspace{2cm}}$

2 $\$0.73 + \$0.25 = \$ \underline{\hspace{2cm}}$

$$\frac{73}{100} + \frac{25}{100} = \frac{\boxed{\hspace{1cm}}}{\boxed{\hspace{1cm}}}$$