

Unit 8 : Money

Friendly Notes

Dollars and Cents

The dollar (\$) and cent (¢) are units of money.
100 cents is needed to make one dollar.

$$\$1 = 100¢$$

We write 6 dollars 20 cents as \$6.20.
The dot (.) separates the cents from the dollars.



1. Write \$12.08 in cents.
 $\$12.08 = 1,208¢$

$$\begin{aligned}\$12.08 &= \$12 + 8¢ \\ \$12 &= 12 \times 100¢ \\ &= 1,200¢\end{aligned}$$



2. Write 367¢ in dollars and cents.
 $367¢ = \$3.67$



$$\begin{aligned}367¢ &= 300¢ + 67¢ \\ \$1 &= 100¢ \\ \$3 &= 300¢\end{aligned}$$

Addition

We add different amounts of money in the same way we add whole numbers.

Then we put in the dot at the right place, to separate the dollars and the cents.

- Find the value of \$4.05 and \$26.85.



$$\$26.85 \xrightarrow{+ \$4} \$30.85 \xrightarrow{+ 5\text{¢}} \$30.90$$

$$\$4.05 + \$26.85 = \$30.90$$

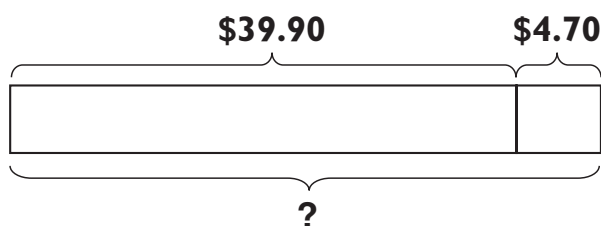
We can also add like this:

$$\begin{array}{r} \$ 26.85 \\ + \$ 4.05 \\ \hline \$ 30.90 \end{array}$$

$$\begin{array}{r} 1 \quad 1 \\ 2,685 \\ + 405 \\ \hline 3,090 \end{array}$$



2. Jorge bought a storybook for \$39.90.
He had \$4.70 left.
How much money did he have at first?



$$\$39.90 + \$4.70 = \$44.60$$

Jorge had \$44.60 at first.

Subtraction

We subtract different amounts of money in the same way we subtract whole numbers.

Then we put in the dot to separate the dollars and the cents.

1. Subtract \$15.75 from \$23.60.

$$\$23.60 \xrightarrow{-\$15} \$8.60 \xrightarrow{-75¢} \$7.85$$

$$\$23.60 - \$15.75 = \$7.85$$

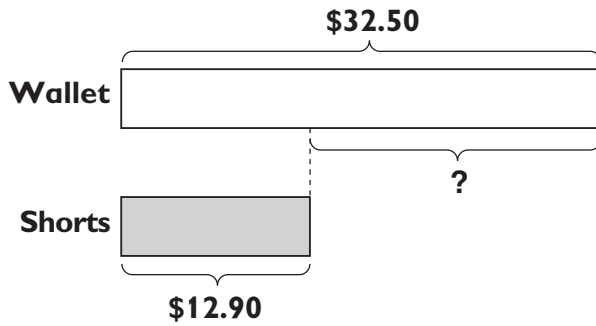
We can also subtract like this:

$$\begin{array}{r} \$23.60 \\ + \$15.75 \\ \hline \$7.85 \end{array}$$

$$\begin{array}{r} \overset{1}{2} \overset{12}{3} \overset{15}{6} \overset{1}{0} \\ - 1,575 \\ \hline 785 \end{array}$$



2. A wallet costs \$32.50.
A pair of shorts costs \$12.90.
How much more does the wallet cost than the pair of shorts?



$$\$32.50 - \$12.90 = \$19.60$$

The wallet costs \$19.60 more than the pair of shorts.