

Subtracting Decimals

I. Steps

1) Use Same Change Opposite

$$\begin{aligned} \text{ex: } & -5.8 - 3.74 \\ & -5.8 + (-3.74) \end{aligned}$$

2) Use the addition rules for adding decimals

1) Write the larger value on top

Use the
sign on
top

$$\begin{array}{r} -5.80 \\ + 3.74 \\ \hline -9.54 \end{array}$$

2) Line up decimals

3) Determine if adding (same signs) or subtracting (diff. signs).

4) Determine the sign of your answer.

* Always think of \$ when using decimals.

Scenario: You have \$15.26
in your bank account.

You spend \$47.83 on
a new pair of shoes. You
then deposit \$39.25
into your bank account.

- 1) Write a mathematical expression
for the scenario; and
- 2) How much, \$, do you now have
in your bank account?

$$1) \overset{S}{15.26} \overset{C}{-} \overset{O}{47.83} + 39.25$$

$$2) 15.26 + (-47.83) + 39.25$$

$$\begin{array}{r} \text{Subtract } \overset{C}{-}47.83 \\ + 15.26 \\ \hline \overset{C}{-}32.57 + 39.25 \end{array}$$

$$\begin{array}{r} \overset{C}{+}39.25 \\ - 32.57 \\ \hline \boxed{\$6.68} \end{array}$$