

Dimensions Math
Grade 3 Letter Home
Chapter 15 Money

Home Connection

In chapter 15, your child will learn to make change for amounts within \$100. It is important that students can convert between amounts written in cents and dollars and cents.

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| $\begin{aligned} \$50.94 &= 5,094\text{¢} \\ 43\text{¢} &= \$0.43 \end{aligned}$ |
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Mental Math methods introduced in Chapter 2 will be practiced and applied as well.

Addition Strategies: \$17.80 + \$9.60

Add the dollars, then the cents:

$$\begin{array}{r} + \$9 \\ \$17.80 \longrightarrow \$26.80 \longrightarrow \$27.40 \\ + 60\text{¢} \end{array}$$

Make the next dollar:

$$\begin{array}{r} + 20\text{¢} \\ \$17.80 \longrightarrow \$18.00 \longrightarrow \$27.40 \\ + \$9.40 \end{array}$$

Add too many and subtract the difference, which can be called “over-adding.”

$$\begin{array}{r} + \$10 \\ \$17.80 \longrightarrow \$27.80 \longrightarrow \$27.40 \\ - 40\text{¢} \end{array}$$

Subtraction Strategies: \$19.60 - \$7.65

Subtract the dollars, then the cents:

$$\begin{array}{r} - \$7 \\ \$19.60 \longrightarrow \$12.60 \longrightarrow \$11.95 \\ - 65\text{¢} \end{array}$$

Make an even dollar:

$$\begin{array}{r} - 60\text{¢} \\ \$19.60 \longrightarrow \$19.00 \longrightarrow \$11.95 \\ - \$7.05 \end{array}$$

Subtract too many and add the difference, which can be called “over-subtracting.”

$$\begin{array}{r} - \$8 \\ \$19.60 \longrightarrow \$11.60 \longrightarrow \$11.95 \\ + 35\text{¢} \end{array}$$

Students should practice mental math but should also be comfortable solving any of these problems using the vertical algorithm when the problem is not easy to calculate mentally.

$$\begin{array}{r}
 \$17.80 \\
 + \underline{\$9.60} \\
 \hline
 \$27.40
 \end{array}
 \rightarrow
 \begin{array}{r}
 1,780 \\
 + \underline{960} \\
 \hline
 2,740
 \end{array}
 \rightarrow \$27.40$$

$$\begin{array}{r}
 \$19.60 \\
 - \underline{\$7.65} \\
 \hline
 \$11.95
 \end{array}
 \rightarrow
 \begin{array}{r}
 1,960 \\
 - \underline{765} \\
 \hline
 1,195
 \end{array}
 \rightarrow \$11.95$$

What can we do at home?

- Have your child help with grocery shopping and budgeting to gain real life experience with money.
- **Money Face-Off**
 - Materials: Bag of random coins
 - Players take turns reaching into the bag and pulling out a handful of coins.
 - Players total the coins in each grab. The player with the highest value of coins scores a point.
 - The winner is the player with the most points after several rounds.
- **Trading Up**
 - Materials: Bag of coins with a few \$1 and \$5 bills and 2 dice
 - Child starts with one quarter. On each turn, players roll the dice and add that amount to their start money.
 - If the amount added makes up another coin or dollar students trade their change for the new coin or dollar.
 - The first player to get \$5 wins.

Please continue to practice math facts all summer long. There are some great activities on our TCA Website: [Elementary Parent Resources](#)