

- **Naming Dollars and Cents**
- **Exchanging Dollars, Dimes, and Pennies**

- An amount of money may be written in cents, in dollars, or in dollars and cents.

63¢ \$45 \$2.38

- We can exchange 10 pennies for a dime.
- We can exchange 10 dimes for a dollar.

Practice:

1. Write each money amount using a dollar sign and a decimal point.

a. 45¢ _____

b. 232¢ _____

2. Write each money amount using a cent sign.

a. \$0.15 _____

b. \$0.79 _____

3. How much money is two \$1 bills, 7 dimes, and 11 pennies? Describe how to make this same amount using the fewest number of coins.

4. If you have three \$1 dollar bills, 7 dimes, and 12 pennies, how much money do you have?

5. Barry has 14 dimes and 22 pennies in his bank at home. How much money does Barry have altogether?

• Adding Dollars and Cents

To add dollars and cents:

Step 1: Line up the digits by their place value.

Step 2: Add the pennies.

Step 3: Add the dimes.

Step 4: Add the dollars.

Practice:

Add using pencil and paper or money manipulatives.

1.
$$\begin{array}{r} \$2.67 \\ + \$1.22 \\ \hline \end{array}$$

2.
$$\begin{array}{r} \$7.91 \\ + \$1.23 \\ \hline \end{array}$$

3.
$$\begin{array}{r} \$1.11 \\ + \$2.49 \\ \hline \end{array}$$

4.
$$\begin{array}{r} \$3.20 \\ + \$1.77 \\ \hline \end{array}$$

5.
$$\begin{array}{r} \$4.53 \\ + \$1.63 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 7.29 \\ + \$1.27 \\ \hline \end{array}$$

7. Terrance had \$2.85. His aunt gave him \$6.50 for lunch money. How much money did he have then? _____

8. Deane bought a book for \$4.59 and a yo-yo for \$2.38. How much did she pay for the book and the yo-yo? _____

• Subtracting Three-Digit Numbers, Part 2

To subtract three-digit numbers:

Step 1: Line up the digits by their place value.

Step 2: Regroup if needed.

Step 3: Subtract the digits in the ones place.

Step 4: Subtract the digits in the tens place.

Step 5: Subtract the digits in the hundreds place.

Practice:

Subtract using pencil and paper or money manipulatives.

1.
$$\begin{array}{r} \$268 \\ - \$122 \\ \hline \end{array}$$

2.
$$\begin{array}{r} \$145 \\ - \$128 \\ \hline \end{array}$$

3.
$$\begin{array}{r} \$849 \\ - \$281 \\ \hline \end{array}$$

4.
$$\begin{array}{r} \$555 \\ - \$225 \\ \hline \end{array}$$

5.
$$\begin{array}{r} \$321 \\ - \$251 \\ \hline \end{array}$$

6.
$$\begin{array}{r} \$755 \\ - \$329 \\ \hline \end{array}$$

7. Terrance saved \$350 for school clothes. He spent \$147 at one store. How much money did he have left? _____
8. Etta had \$135. She paid \$42 for 2 books and a CD. How much does she have left? _____
9. There are 618 students at Carla's school. On Tuesday, 132 students went on a field trip. How many students remained at school? _____

• Column Addition

To add three or more two-digit numbers:

Step 1: Arrange the numbers in a column.

Step 2: Line up the digits by their place value.

Step 3: Add the digits in the ones place. Regroup if necessary.

Step 4: Add the digits in the tens place.

Practice:

Arrange in columns and add. You may use your money manipulatives.

1. $51 + 65 + 17$ _____

2. $\$31 + \$53 + \$40$ _____

3. $\$22 + \$33 + \$66$ _____

4. $44 + 30 + 15$ _____

5. Danny's mother bought him a new baseball glove, bat, and cleats. The glove costs \$22. The bat cost \$36. The cleats cost \$39. How much did Danny's mother spend altogether? _____

Add.

6.
$$\begin{array}{r} 26 \\ 44 \\ + 10 \\ \hline \end{array}$$

7.
$$\begin{array}{r} \$12 \\ \$36 \\ + \$48 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 78 \\ 29 \\ + 14 \\ \hline \end{array}$$

9.
$$\begin{array}{r} \$32 \\ \$55 \\ + \$12 \\ \hline \end{array}$$

• **Counting Dollars and Cents**

- To find the value of a group of coins, we can start with the coins with the greatest value and count up.
- We can also skip count to find the total value of a group of coins.

Practice:

1. Look at the coins below:



- What is the value of the pennies? _____
- What is the value of the dimes? _____
- What is the value of the quarters? _____
- What is the total value of all the coins? _____

Find the value of the coins in problems 2 and 3.

2. Value: _____



3. Value: _____



4. This table shows the values of certain numbers of nickels. Complete the table through eight nickels.

Number of Nickels	1	2	3	4	5	6	7	8
Value in Cents	5	10	15	20				

• Subtracting Dollars and Cents

To subtract dollars and cents:

Step 1: Line up the digits by their place value.

Step 2: Subtract the pennies.

Step 3: Subtract the dimes.

Step 4: Subtract the dollars.

Practice:

Subtract using pencil and paper.

1.
$$\begin{array}{r} \$3.69 \\ - \$1.59 \\ \hline \end{array}$$

2.
$$\begin{array}{r} \$5.39 \\ - \$3.75 \\ \hline \end{array}$$

3.
$$\begin{array}{r} \$6.65 \\ - \$2.24 \\ \hline \end{array}$$

4.
$$\begin{array}{r} \$8.27 \\ - \$5.83 \\ \hline \end{array}$$

5.
$$\begin{array}{r} \$9.18 \\ - \$7.62 \\ \hline \end{array}$$

6.
$$\begin{array}{r} \$4.73 \\ - \$1.45 \\ \hline \end{array}$$

7. Colleen's lunch cost \$3.79. She gave the cashier \$4.50. How much change should she get back? _____

• Comparing and Ordering, Part 2

- We can compare numbers using place value.
 - We order numbers by arranging them from least to greatest or from greatest to least.
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Practice:

Use the table below for problems 1–4.

Student Enrollment

School	Number of Students
Franklin M.S.	512
Jefferson M.S.	614
Madison M.S.	498

1. Which school has the greatest number of students? _____
2. Which school has the least number of students? _____
3. Write the numbers in order from greatest to least. _____
4. Write the names of the schools in order from least to greatest number of students.

5. Write these numbers in order from least to greatest:

354, 459, 382

• Subtracting Across Zeros

To subtract from a three-digit number that ends in two zeros:

Step 1: Line up the digits by their place value.

Step 2: Trade a hundred for 10 tens.

Step 3: Trade a ten for 10 ones.

Step 4: Subtract the ones, then the tens, then the hundreds.

Practice:

Subtract using pencil and paper or money manipulatives.

1.
$$\begin{array}{r} 900 \\ - 123 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 300 \\ - 171 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 200 \\ - 24 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 500 \\ - 52 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 400 \\ - 124 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 600 \\ - 19 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 100 \\ - 42 \\ \hline \end{array}$$

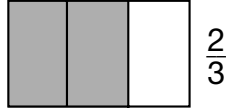
8.
$$\begin{array}{r} 700 \\ - 274 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 700 \\ - 317 \\ \hline \end{array}$$

10. Jeremy's father bought groceries that cost \$87 altogether. He paid with a \$100 bill. How much change did he get back? _____
11. Camille had two \$100 bills. She bought a new bicycle for \$147. How much money does she have now? _____

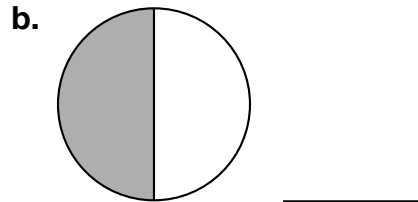
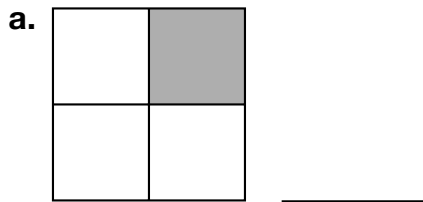
• Parts of a Whole

- We can name equal parts of a whole with a fraction.
- The bottom number in a fraction tells the number of equal parts in the whole.



Practice:

1. What fraction of each shape is shaded?



2. What coin is $\frac{1}{4}$ of a dollar? _____

3. Five dimes is what fraction of a whole dollar? _____

4. Three dimes is what fraction of a whole dollar? _____

5. Three quarters is what fraction of a whole dollar? _____

6. Divide the rectangle below into four parts. Then shade $\frac{1}{4}$.



• Estimating Sums and Differences

- When a story problem asks us to estimate or to find “about how many,” we use rounded numbers.
- To estimate, we round the numbers in the problem before finding the sum or difference.

Practice:

1. Denny’s mother drove 19 miles to visit her friend.
Then she drove another 28 miles to her sister’s house.
About how many miles did she drive altogether? _____
2. On his first day of track practice, Barry ran 380 yards.
On the second day he ran only 210 yards. Estimate
how many yards he ran during these two days. _____
3. Ben had 287 baseball trading cards. He sold
108 cards. About how many cards did Ben have left? _____
4. Craig has \$42. Connie has \$27. About how
much money do Craig and Connie have altogether? _____
5. Fred had \$68. He bought a new lamp for his room
that cost \$23. About how much did Fred have left? _____
6. Valley View Elementary is collecting canned food for
a food drive. Third grade collected 328 cans. Second
grade collected 279 cans. About how many cans of
food did second and third grade collect altogether? _____
7. What is the best estimate of the difference between 385 and 115? _____

A 500**B** 200**C** 300**D** 400