

Name _____ Date _____



Skills Maintenance
Values of Coins as Equations

Activity 1

Add up the coins and tell the amount of money you have.

1. How much money is this?

2. How much money is this?



Missing Angle Measures

Activity 2

Find the missing angle measurements. Use the given information, rules, properties, and inferences.



1. What is the value of $\angle a$? _____
2. What is the value of $\angle d$? _____
3. What is the value of $\angle f$? _____
4. What is the value of $\angle p$? _____

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Apply Skills

Negative Numbers

Activity 1

Solve the equations. Pay close attention to the negative numbers.

1. $-3 + -x = -12$

Show your work here:

$x =$ _____

Check your answer here:

2. $-x - -5 = -7$

Show your work here:

$x =$ _____

Check your answer here:

3. $-2x - 4 + 8 = 12$

Show your work here:

$x =$ _____

Check your answer here:

4. $-4 - 7x = -32$

Show your work here:

$x =$ _____

Check your answer here:

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Problem-Solving Activity Coin Problems

Solve the coin problems using the four steps. Remember that you need to use the value of each coin when you make an equation. This is what makes coin problems a little different from other kinds of algebraic word problems.

1. **Begin with a drawing.**
2. **Figure out how to use a variable.**
3. **Solve the equation.**
4. **Make sure the answer is what the question is asking for.**

1. I have 3 nickels and some dimes in the pants that I left on the floor of my bedroom. I remember that I had 85 cents in the pocket of those pants. How many dimes did I have? _____



2. I thought that I took all of the money out of my desk drawer but I found 28 cents in it yesterday. I had 3 pennies and some nickels. How many nickels did I have? _____



3. It turns out that I counted wrong when I looked in my desk drawer. I only had 22 cents. I had twice as many nickels as I had pennies. How many nickels and pennies did I have?

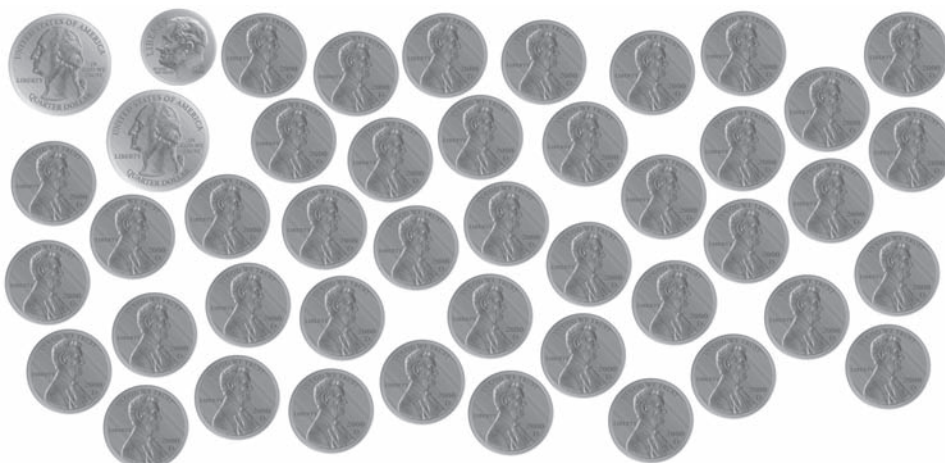


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4. I needed to borrow some money for lunch from a friend at school. He gave me all of the change in his pocket. When I counted it, the total was 53 cents. There was one quarter, one dime, one nickel, and a bunch of pennies. How many pennies were there? _____



5. Your turn. Make your own word problem using coins. Write the equation that goes along with the problem.



mBook Reinforce Understanding
 Use the mBook *Study Guide* to review lesson concepts.