

# Fewest Dimes and Pennies

NCTM Standards 1, 2, 6, 7, 8, 9, 10

How can you show 24¢ using only dimes and pennies?

24¢	
Dimes	Pennies
0	24
1	14
2	4



This way uses the fewest coins.

How can you show each money amount with the fewest coins? Use only dimes and pennies.

Money Amount	How many dimes?	How many pennies?	How much money?
1. twenty-four cents	2	4	24 ¢
2. twenty-five cents			¢
3. twenty-six cents			¢
4. thirty-six cents			¢
5. forty-six cents			¢
6. fifty-two cents			¢
7. seventeen cents			¢
8. ten cents			¢

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**NOTE:** Your child is learning to represent money amounts using the fewest dimes and pennies. Together, show 43¢ using the fewest dimes and pennies.

Show each money amount as many ways as you can.  
Use only dimes and pennies.

9.

16¢	
Dimes	Pennies
0	16

How many coins are used to show 16¢ with the fewest dimes and pennies?

\_\_\_\_\_ coins

10.

37¢	
Dimes	Pennies

How many coins are used to show 37¢ with the fewest dimes and pennies?

\_\_\_\_\_ coins



11. Max has 42¢ in dimes and pennies. He has the fewest coins for that amount. How many coins does he have? Tell how you know.

\_\_\_\_\_ coins

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## Problem Solving

12. Tara has only pennies and dimes in her pocket. She takes out 5 coins. What is the most money that Tara could have? Explain.

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