

Counting Coins

Name: _____

Date: _____

Score: _____ / 24

Q Quick Review

Each coin is worth a different number of cents. A **penny** is worth 1 cent, a **nickel** is worth 5 cents, a **dime** is worth 10 cents, and a **quarter** is worth 25 cents. To count a group of coins, start with the coins worth the most and add toward the coins worth the least. It also helps to count coins of the same kind together by skip-counting. When you finish, write the total with the word *cents* so everyone knows the amount.

◇ **Example:** Count 1 quarter, 2 dimes, and 3 pennies. How many cents is that?

⇒ Let's start with the coin worth the most. One quarter is 25 cents. Next come the two dimes: count by tens, 25, 35, 45 cents. Last are the three pennies: count by ones, 46, 47, 48 cents. Adding from biggest to smallest gives the total.

Answer: 48 cents

PRACTICE

Count the coins and write how many cents.

- Count: 2 dimes and 3 pennies. How many cents? _____
- Count: 1 quarter and 1 nickel. How many cents? _____
- Count: 3 nickels. How many cents? _____
- Count: 4 dimes. How many cents? _____
- Count: 2 quarters. How many cents? _____
- Count: 1 dime and 2 nickels. How many cents? _____
- Count: 5 pennies. How many cents? _____
- Count: 1 quarter, 1 dime, and 1 penny. How many cents? _____
- Count: 3 dimes and 1 nickel. How many cents? _____
- Count: 2 nickels and 4 pennies. How many cents? _____
- Count: 1 quarter, 2 nickels, and 2 pennies. How many cents? _____
- Count: 4 quarters. How many cents? _____
- Count: 5 dimes. How many cents? _____
- Count: 1 dime, 1 nickel, and 3 pennies. How many cents? _____
- Count: 2 quarters and 1 dime. How many cents? _____
- Count: 3 nickels and 2 pennies. How many cents? _____
- Count: 1 quarter, 1 dime, and 1 nickel. How many cents? _____
- Count: 6 pennies and 1 nickel. How many cents? _____
- Count: 3 quarters and 1 penny. How many cents? _____
- Count: 2 dimes, 1 nickel, and 4 pennies. How many cents? _____

◆ Word Problems

- Ben has 1 quarter, 2 dimes, and 1 nickel in his pocket. How many cents does Ben have in all? _____
- Zoe saved 3 dimes and 4 pennies in her piggy bank. How many cents has Zoe saved? _____
- A pencil costs 20 cents. Maya pays with 2 dimes. Does she have exactly enough money? _____
- Liam found 2 quarters and 3 nickels on the sidewalk. How many cents did he find? _____



Answer Keys

- | | |
|--------------|---------------------------|
| 1. 23cents | 13. 50cents |
| 2. 30cents | 14. 18cents |
| 3. 15cents | 15. 60cents |
| 4. 40cents | 16. 17cents |
| 5. 50cents | 17. 40cents |
| 6. 20cents | 18. 11cents |
| 7. 5cents | 19. 76cents |
| 8. 36cents | 20. 29cents |
| 9. 35cents | 21. 50 cents |
| 10. 14cents | 22. 34 cents |
| 11. 37cents | 23. Yes, exactly 20 cents |
| 12. 100cents | 24. 65 cents |

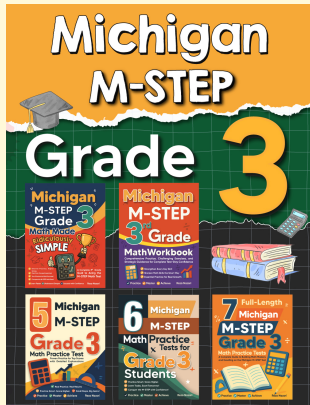
Step-by-Step Explanations

- | | |
|---|--|
| 1. Two dimes are 20 cents, plus 3 pennies makes 23 cents. | 14. Start with 10, add 5 to get 15, add 3 pennies to get 18 cents. |
| 2. A quarter is 25 cents, plus a nickel (5 cents) makes 30 cents. | 15. Two quarters are 50 cents, plus a dime (10 cents) makes 60 cents. |
| 3. Skip-count by fives: 5, 10, 15, so it is 15 cents. | 16. Three nickels are 15 cents, plus 2 pennies makes 17 cents. |
| 4. Skip-count by tens: 10, 20, 30, 40, so it is 40 cents. | 17. Start with 25, add 10 to get 35, add 5 to get 40 cents. |
| 5. Each quarter is 25 cents, and $25 + 25 = 50$ cents. | 18. A nickel is 5 cents, plus 6 pennies makes 11 cents. |
| 6. A dime is 10 cents, and two nickels are 10 cents, so $10 + 10 = 20$ cents. | 19. Three quarters are 75 cents, plus 1 penny makes 76 cents. |
| 7. Each penny is 1 cent, and 5 pennies make 5 cents. | 20. Two dimes are 20 cents, add a nickel to get 25, add 4 pennies to get 29 cents. |
| 8. Start with 25, add 10 to get 35, add 1 to get 36 cents. | 21. Start with the quarter (25 cents), add two dimes to get 45 cents, then add the nickel to get 50 cents. |
| 9. Three dimes are 30 cents, plus a nickel (5 cents) makes 35 cents. | 22. Three dimes are 30 cents. Add the 4 pennies and the total is 34 cents. |
| 10. Two nickels are 10 cents, plus 4 pennies makes 14 cents. | 23. Two dimes are worth $10 + 10 = 20$ cents, which is exactly the price of the pencil. |
| 11. Start with 25, add 10 for the nickels to get 35, add 2 pennies to get 37 cents. | 24. Two quarters are 50 cents. Three nickels are 15 cents. Together that is $50 + 15 = 65$ cents. |
| 12. Skip-count by twenty-fives: 25, 50, 75, 100, so it is 100 cents. | |
| 13. Skip-count by tens: 10, 20, 30, 40, 50, so it is 50 cents. | |



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