

# NWEA Assessment Item Illustrating 2.MD.C.8

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**Domain:** Measurement and Data

**2.MD.C:** Work with time and money.

**Calculator Availability:** No

Use the information to answer the question.

Lorna has 5 dimes, 2 nickels, and 6 pennies. She cleans her room and finds 1 more dime and 2 more nickels.

How much money does Lorna have after cleaning her room? Enter the answer in the box.

  
cents

**Alignment: 2.MD.C.8:** Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies, using \$ and ¢ symbols appropriately.

Working with pennies and dimes supports place-value understanding within 100, while working with nickels and dimes supports skip counting by 5s and 10s. Students may choose to solve this problem in multiple ways. They may skip count to determine the amount Lorna had before she cleaned her room and then add the amount she found while cleaning. Alternately, they may choose to add like coins and then calculate the value of 6 dimes, 4 nickels, and 6 pennies.

**Coherence:** This standard builds upon word-problem standards from both previous and current grades,<sup>K.OA.2, 1.OA.A, 2.OA.A</sup> with the additional expectation that students know the value of various coins. At this grade, student work is strictly limited to whole numbers, since decimals will not be introduced until grade 4.<sup>4.NF.C</sup> Students will solve problems involving money again in grade 4.<sup>4.MD.A.2</sup> Once students gain experience with decimal operations,<sup>5.NBT.B.7, 6.NS.B.3</sup> they will solve decimal word problems, including those involving money.<sup>7.NS.A.3</sup>

**Rigor:** This item attends to conceptual understanding, procedural skill, and application. Knowing the value of each coin represents conceptual understanding. Skip counting is a grade-level procedural skill. The item involves an application of mathematics in a real-world scenario, and because of the nature of the problem, multiple solution paths allow students to select their own approach.

**Answer Key:**

Use the information to answer the question.

Lorna has 5 dimes, 2 nickels, and 6 pennies. She cleans her room and finds 1 more dime and 2 more nickels.

How much money does Lorna have after cleaning her room? Enter the answer in the box.

  
cents

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