Name _____

Date _____

Investigate Log

Equal Coins

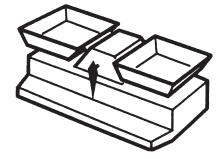
Materials



quarter



5 nickels



balance

1. A quarter and 5 nickels both equal 25 cents. But does a quarter have the same mass as 5 nickels? **Compare** to find out.
2. Make sure the balance is even. Then place the quarter on one side of the balance and the 5 nickels on the other side.
3. **Compare** the two sides of the balance. Are they even?

Possible answer: The balance is uneven. The 5 nickels have more mass than the quarter.

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Name _____

Investigate Log

Independent Inquiry

When you compare, you observe ways things are alike and ways they are different. Compare the mass of two dimes and a nickel with a quarter.

Materials

Here are some materials you might use. Show other materials you need.



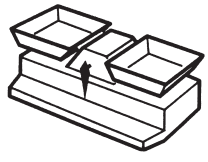
quarter



2 dimes



nickel



balance

1. A quarter equals 25 cents. 2 dimes and a nickel also equal 25 cents. But does a quarter have the same mass as 2 dimes and a nickel? Compare to find out.

2. Make sure the balance is even. Then place the quarter on one side of the balance and the 2 dimes and a nickel on the other side.

3. Compare the two sides of the balance. Are they even? **Possible answer: The balance is uneven. The 2 dimes and nickel have more mass than the quarter.**

4. Now compare the 2 dimes and nickel with 5 nickels. They both equal 25 cents. Do they have the same mass? **Possible answer: No. The 5 nickels have more mass.**

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