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$$\begin{array}{r} 3 \overline{)84} \\ \underline{6} \\ 24 \end{array}$$

Each lollypop is 28¢

$$\begin{array}{r} 3.5 \overline{)81} \\ \underline{-26} \\ 35 \end{array}$$

Chews are 35¢

$$\begin{array}{r} 5.28 \\ +35 \\ +17 \\ +9 \\ \hline 89 \end{array}$$

When did you get 54¢?

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$$\begin{array}{r} 4.54 \\ \underline{-28} \\ 26 \end{array}$$

Choc. Bar and mini egg together is 26¢

When did you get 60¢?

$$\begin{array}{r} 4.70 \\ \underline{-28} \\ 452 \\ \underline{-35} \\ 17 \end{array}$$

Mini egg is 17¢
Choc. Bar is 9¢

Chews 35¢ Lollypop 28¢

Choc. Bar 9¢ Mini egg 17¢

Nathan gets 11¢ back

Suggesting a way:

Correct Answer

$$\begin{array}{r} 235 \\ +28 \\ +17 \\ \hline 80 \end{array}$$

Attempt #1

$$\begin{array}{r} 9 \\ \times 5 \\ \hline 45 \end{array}$$

Attempt #2

$$\begin{array}{r} 2 \text{ Lollypops } 56 \\ 1 \text{ Chew } + 35 \\ 1 \text{ Choc. Bar } + 9 \\ \hline 100 \end{array}$$

For this problem I knew I had to make the list, of things they bought, in a different order. I started with Liam because she only bought lollypops and it gave me the amount she spent. To get the cost of a single lollypop, I did $84 \div 3$. I did this because Liam spent 84¢ on 3 lollypops. I figured out each lollypop is 28¢. Next, I went to Kenny, because he also bought a lollypop. Also, I know that he has 46¢ left from his \$1.00. To figure out how much money Kenny spent, in my mind, I did $100 - 46$ and got 54. Then I did $54 - 28$ because 54 is how many cents Kenny used and 28 is the amount of money the lollypop was, that he bought. I came up with 26, so now I know that a mini egg and a lollypop together is 26¢. The next person I did was Judy because she has both, a mini egg and chocolate bar. Also, I know she spent 61¢. Then, I did $61 - 26$ because she spent 61¢, and bought a mini egg and a chocolate bar for 26¢. I got 35. The last thing Judy also bought was a chew. So, I figured out that a chew costs 35¢. I went to Mandy next because

she bought a chew and a lollypop. And, she got 20¢ back from her dollar. In my mind, I did $100 - 20$ because she has a dollar and she got 20¢ back from that dollar. I got 80. So I then did $80 - 28$ because she used 80¢ and she bought a lollypop for 28¢. I came up with 52. From 52, I did $- 35$ because 52¢ is the amount left after buying a lollypop, and she also bought a chew. I finally ended with 17. So, I figured out that a mini egg is 17¢. Before I did Nathan's, I remembered that I still need to figure out how much money a chocolate bar is. I did $26 - 17$ to figure it out because 26¢ was the amount a mini egg, and a chocolate bar was together, and now, a mini egg costs 17¢. I got 9¢. Now, a chocolate bar is 9¢. I just have to do Nathan. For Nathan, I did $28 + 35 + 17 + 9$. I did this because Nathan buys all the candy under 50¢. I got 89¢. Next, I did $100 - 89$ because Nathan starts with a dollar and uses 89¢ out of that dollar. I figured out Nathan got 11¢ back.

If I had to suggest a way for

Nathan to use his whole dollar I would tell him to use 2 lollypops, 1 chew, and 1 chocolate bar. I did 2 lollypops so I could get over 50. But 2 lollypops were actually 56¢. I was looked for things that added up to 44¢. I came up with 1 chew (35¢) and 1 chocolate bar (9¢). On my first attempt, I tried $35+28+17$ because I thought using big numbers would be easier. I got 80 and I then realized that nothing equals 20¢. So I tried attempt number 2. I did 9×5 because I thought using a number mutiple times would get me higher. I got 45 and then realized that nothing is 55¢. I tried attempt number 3, and got the correct answer. It's using 2 lollypops, 1 chew, and 1 chocolate bar.