Bale Sale Fundraiser Anchor Papers

STUDENT A

I went backwards because we are trying to see how many cupcakes they started with so we can see how much money they have. So that we can see if they need more money or if they have more than they need.

Bake Sale Fundraiser

Brady and Jaquan were selling cupcakes together at a bake sale. They hope to make $100 so they can both go on the band field trip to Washington, DC.

- In the first hour, Brady sold \( \frac{1}{3} \) of the cupcakes and Jaquan sold \( \frac{2}{8} \) of the cupcakes.
- During the second hour, they sold 2 cupcakes.
- During the third hour, they sold 75\% of the remaining cupcakes.
- During the fourth hour, they sold the remaining 3 cupcakes.

If they sold each cupcake for $2.75, will they make enough money to go on the field trip? If so, how much money would be left over for spending money?

Explain how you know.

\[ \begin{align*}
\text{hour 1:} & \quad \frac{1}{3} = 0.33 \\
\text{hour 2:} & \quad \frac{3}{8} = 0.375 \\
\text{hour 3:} & \quad 75\% = 0.75 \\
\text{hour 4:} & \quad \frac{1}{3} = 0.33
\end{align*} \]

14 cupcakes sold

\[ \begin{align*}
\text{Brady:} & \quad 14.33 \\
\text{Jaquan:} & \quad 4.395
\end{align*} \]
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STUDENT B

Bake Sale Fundraiser

Brady and Jaquan were selling cupcakes together at a bake sale. They hope to make $100 so they can both go on the band field trip to Washington, DC.

- In the first hour, Brady sold \( \frac{1}{3} \) of the cupcakes and Jaquan sold \( \frac{3}{8} \) of the cupcakes.
- During the second hour, they sold 2 cupcakes.
- During the third hour, they sold 75% of the remaining cupcakes.
- During the fourth hour, they sold the remaining 3 cupcakes.

If they sold each cupcake for $2.75, will they make enough money to go on the field trip? If so, how much money would be left over for spending money?

Explain how you know. Fraction times How many times \( \frac{3}{8} \) and \( \frac{15}{24} \)

\[ \begin{align*}
\text{Common denominator} & \quad \frac{3}{8} \\
\text{16} & \quad \frac{12}{24} \\
\text{15} & \quad \frac{18}{24} \\
\text{21} & \quad \frac{24}{24} \\
\end{align*} \]

\[ \frac{1}{3} \times \frac{8}{24} = \frac{8}{24} \times \frac{24}{24} = \frac{8}{24} \]

\[ \frac{17}{24} \text{ cupcake} \]

Washington DC trip

25% is equal to the 4th day 3 cupcakes

25% is 3 cupcakes

\[ \frac{75}{25} = \frac{50}{2} = \frac{75}{50} \]

\[ \frac{182.00}{48} \]

$100

more than enough
I found out the common denominator of \( \frac{3}{4} \) and \( \frac{5}{8} \). The common denominator is \( 24 \).

\[
\frac{3 \times 6}{24} = \frac{18}{24} \\
\frac{5 \times 3}{24} = \frac{15}{24}
\]

So, \( \frac{3}{4} = \frac{18}{24} \) and \( \frac{5}{8} = \frac{15}{24} \).

Next, I added these fractions together:

\[
\frac{18}{24} + \frac{15}{24} = \frac{33}{24}
\]

Finally, I simplified the fraction to its lowest terms:

\[
\frac{33}{24} = \frac{17}{24}
\]

There are 48 cupcakes in total.

3 cupcakes = 25% 
9 cupcakes = 75% 
12 cupcakes = 100%

Total: 48 cupcakes

48 x 2.75 = 133.200
Bake Sale Fundraiser

Brady and Jaquan were selling cupcakes together at a bake sale. They hope to make $100 so they can both go on the band field trip to Washington, DC.

- In the first hour, Brady sold $\frac{1}{3}$ of the cupcakes and Jaquan sold $\frac{3}{8}$ of the cupcakes.
- During the second hour, they sold 2 cupcakes.
- During the third hour, they sold 75% of the remaining cupcakes.
- During the fourth hour, they sold the remaining 3 cupcakes.

If they sold each cupcake for $2.75, will they make enough money to go on the field trip? If so, how much money would be left over for spending money? Explain how you know.

I tried to do 25% for each, it worked but I didn't find out the first one. If you want to know how I did it, it's right here.
Bake Sale Fundraiser

Brady and Jaquan were selling cupcakes together at a bake sale. They hope to make $100 so they can both go on the band field trip to Washington, DC.

- In the first hour, Brady sold $\frac{1}{3}$ of the cupcakes and Jaquan sold $\frac{1}{4}$ of the cupcakes.
- During the second hour, they sold $2$ cupcakes.
- During the third hour, they sold $75\%$ of the remaining cupcakes. = $12$ cupcakes
- During the fourth hour, they sold the remaining $3$ cupcakes.

If they sold each cupcake for $2.75, will they make enough money to go on the field trip? If so, how much money would be left over for spending money? Explain how you know.

$33.75$

I went backwards to get the total of the answers.

The hours went by fast so I had drawn some pictures to explain it more.

You have to add the fractions to get to $\frac{3}{4}$ and get you on the right path.
Bake Sale Fundraiser

Brady and Jaquan were selling cupcakes together at a bake sale. They hope to make $100 so they can both go on the band field trip to Washington, DC.

- In the first hour, Brady sold \( \frac{1}{3} \) of the cupcakes and Jaquan sold \( \frac{2}{11} \) of the cupcakes.
- During the second hour, they sold 2 cupcakes.
- During the third hour, they sold 75% of the remaining cupcakes.
- During the fourth hour, they sold the remaining 3 cupcakes.

If they sold each cupcake for $2.75, will they make enough money to go on the field trip? If so, how much money would be left over for spending money? Explain how you know.
STUDENT E Continued

So 3rd

\[3 \times 3 = 9\]

\[2, 3, 3\]

\[12\]

\[2, 2, 2, 2\]

\[2, 3, 3, 3\]

\[2, 2, 2, 2\]

\[1, 2, 3, 4\]

\[7, 8, 9, 10\]
Bake Sale Fundraiser

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- During the second hour, they sold 2 cupcakes.
- During the third hour, they sold 75% of the remaining cupcakes.
- During the fourth hour, they sold the remaining 3 cupcakes.

If they sold each cupcake for $2.75, will they make enough money to go on the field trip? If so, how much money would be left over for spending money? Explain how you know.

\[ \frac{75}{100} \text{ of } 12 = 9 \text{ and if they sold that much, they would have ended with 3.} \]

Since they got rid of 2, you would add two more to get 12/14.

They have enough and 32 dollars spending money.
I figured that if I sold \( \frac{17}{24} \) I would have \( \frac{7}{24} \) left, then if they're broken up, the \( \frac{7}{24} \) turos that means all of them are turos.

I have 48 cupcakes at the beginning.

I'm doing \( 48 \times 2.75 \) because each 48 is worth 2.75.

\[ 48 \times 2.75 = 132 \text{ $132} \]