

HW

help set up:

6. The table shows the number of muffins in specific sized variety packs. Complete just the missing cells in the columns for the 6-pack and 36-pack of muffins.

Total Number of Muffins	6	12	18	24	36
Number of Blueberry Muffins	3	6	9	12	18
Number of Pumpkin Muffins	2	4	6	8	12
Number of Bran Muffins	1	2	3	4	6

7. Analyze the completed columns in the table.

a. What do you notice about the numbers?

Bran $\times 2 =$ Pumpkin / Bran + Pumpkin = B'berry

b. How could you have determined the number of each type of muffin in the 18-pack without using the tape diagram?

① Total $\div 2 =$ B'berry ② B'berry $\div 3 =$ Bran

③ Bran $\times 2 =$ Pumpkin

c. How could you have determined the number of each type of muffin in the 36-pack without using the tape diagram?

Multiply ~~each~~ the # of each muffin $\times 2$, since $18 \times 2 = 36$.

d. Use what you noticed about the numbers in the table to complete the remaining columns for the number of each type of muffin in a 12-pack and in a 24-pack of muffins. Explain your strategy.

I scaled each muffin from the 18-pack down by 3 to a 6-pack.

From there, I multiplied each $\times 2$ for a 12-pack.

Then, I scaled each in the 12-pack up by 2 to get to a 24-pack.