Alicia Ko

Peaches Today, Peaches Tomorrow

Westridge School for Girls

Step 1 • A little monkey has 60 peaches

• On the first day he decided to keep $\frac{3}{4}$ of his peaches. He gave the rest away. Then he ate 1.

= 60 - $\frac{3}{4}$ = how many peaches - 1 peach = how many left?

= $\frac{1}{4}$ of 60 = 15

= 15 x 3 = 45

= 45 peaches kept / 60 peaches

= how many peaches = 15 ← he gives away

= 45 - 1 = ?

= how many left = 44

Step 2 • The little monkey now has 44 peaches

• On the second day, he decided to keep $\frac{7}{11}$ of his peaches. He gave the rest away. Then he ate 1

= 44 - $\frac{7}{11}$ = how many peaches - 1 peach = how many left?

= 44 ÷ 11 = ?

= 4 peaches

= 4 x 7 = 28

= how many peaches = 28

= 28 - 1 = 27

= how many left = 27 peaches.

Step3 • The little monkey now has 27 peaches

• On the third day he decided to keep $\frac{5}{9}$ of his peaches. He gave the rest away. Then he ate 1.

= $27 \div \frac{5}{9}$ = how many peaches - 1 peach = how many left = ?

= $27 \div 9 = ?$

= 3 peaches

= $3 \times 5 = 15$

= how many peaches = 15

= $15 - 1$

= 14

= how many left = 14

Step4 • the little monkey now has 14 peaches.

• on the fourth day, he decided to keep $\frac{2}{7}$ of his peaches. He gave the rest away. Then he ate 1.

= $14 \div \frac{2}{7}$ = how many peaches - 1 peach = how many left = ?

= $14 \div 7$

= 2 peaches

= $2 \times 2 = 4$

= how many peaches = 4

= $4 - 1$

= 3

= how many left = 3 peaches

2

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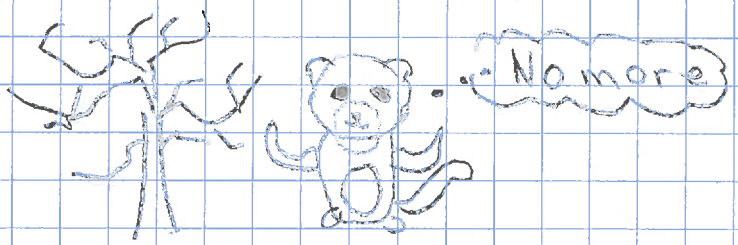
Steps
- The little monkey now has 3 peaches.
- On the fifth day he decided to keep $\frac{2}{3}$ of his peaches. He gave the rest away. Then he ate 1

$3 \div \frac{2}{3}$ = how many peaches (peaches) − 1 peach = how many left

- we all know $\frac{2}{3}$ out of 3 peaches is 1 peach
- and "how many peaches" is 1 and − 1 peach is Ø so the answer is Ø!

Step 6

The little monkey has no more peaches



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Explanation.

The solution for this problem is 0. I simply did for step 1, $60 \div \frac{3}{4}$ and this is how much he keeps. I figured out $\frac{1}{4}$ of 60 and that was 15 but we need three fourths so do $15 \times 3 = 45$. So he keeps 45 peaches. But then he eats 1 so $45 - 1 = 44$ and that is how I know there are 44 peaches left. I also tried adding all the fractions and take away 5 for five days. But it dosent work because you get a fraction of a peach and after each step you must subtract 1 and if you dont do that, I completly changes the whole number.

Tip: You arn't supposed to get a fraction of a peach in any step.