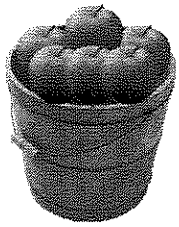
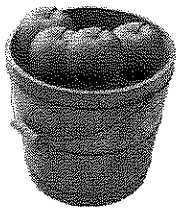
G3-M2-Lesson 8

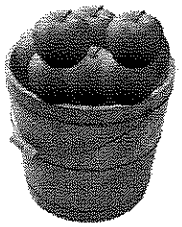
The weights below show the weight of the apples in each bucket.



Bucket A
9 kg



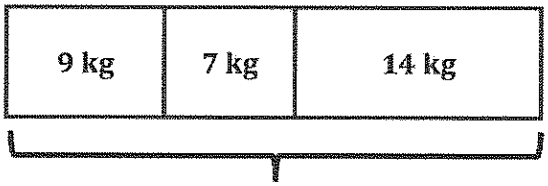
Bucket B
7 kg



Bucket C
14 kg

Bucket C weighs 14 kg, and Bucket B weighs 7 kg. I know that $14 - 7 = 7$, so Bucket C weighs 7 kg more.

a. The apples in Bucket C are the heaviest.
b. The apples in Bucket B are the lightest.
c. The apples in Bucket C are 7 kilograms heavier than the apples in Bucket B.
d. What is the total weight of the apples in all three buckets?

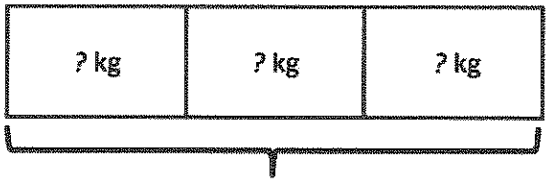


$9 + 7 + 14 = 30$

The total weight of the apples is 30 kilograms.

I can use a tape diagram to show the weight of each bucket of apples. Then, I can add each apple's weight to find the total weight of the apples.

e. Rebecca and her 2 sisters equally share all of the apples in Bucket A. How many kilograms of apples do they each get?

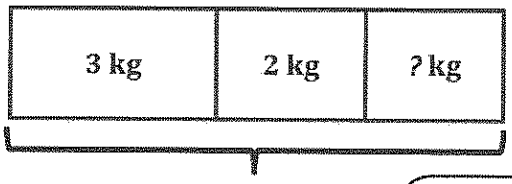


$9 \div 3 = 3$

Each sister gets 3 kilograms of apples.

I know that I'm dividing 9 kilograms into 3 equal groups because 3 people are sharing the apples in Bucket A. When I know the total and the number of equal groups, I divide to find the size of each group!

f. Mason gives 3 kilograms of apples from Bucket B to his friend. He uses 2 kilograms of apples from Bucket B to make apple pies. How many kilograms of apples are left in Bucket B?

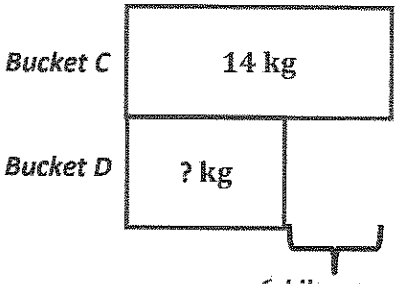


$7 - 5 = 2$

There are 2 kilograms of apples left in Bucket B.

I know that 3 kg of apples were given away and 2 kg of apples were used for apple pies. That means that 5 kg of apples were taken out of Bucket B. It had 7 kg in it to start with, and $7 - 5 = 2$. There are 2 kg of apples left.

g. Angela picks another bucket of apples, Bucket D. The apples in Bucket C are 6 kilograms heavier than the apples in Bucket D. How many kilograms of apples are in Bucket D?



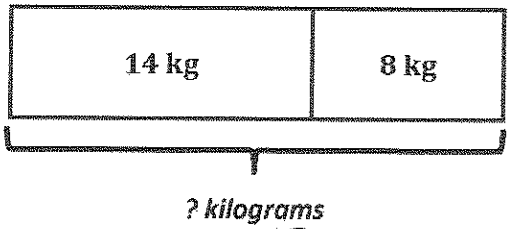
I can draw a double tape diagram to model the problem. I know that the apples in Bucket D weigh 6 kg less than the apples in Bucket C.

I can subtract to find the weight of the apples in Bucket D.

$14 - 6 = 8$

There are 8 kilograms of apples in Bucket D.

h. What is the total weight of the apples in Buckets C and D?



$14 + 8 = 22$

The total weight of the apples in Buckets C and D is 22 kilograms.

To find the total weight of the apples in Buckets C and D, I need to add. I know that $14 + 8 = 22$, so the total weight of the apples in Buckets C and D is 22 kilograms.