The crowning ceremony comes to a close with many people praising the chocolate palace. They are asking Jane to help them create other amazing objects with chocolates. Let's see how we can help Jane!

1 **Jane used dark and white chocolates to make a pair of crowns.**

Dark chocolates = 507 packets
White chocolates = 423 packets

Total number of packets = ☐

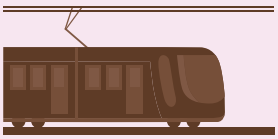
Dark chocolates

White chocolates

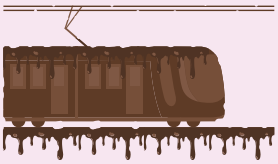
2 **Jane decided to make chocolate trains for gifts but a few trains melted while packing.**

Number of trains made = 699
Number of trains that melted = 104

Number of trains in good condition = ☐



Train

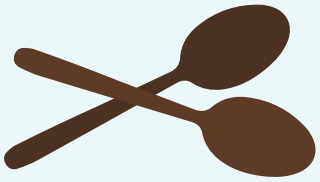


Melted Train

3 **Jane made edible spoons. By the end of the event, only a few were left.**

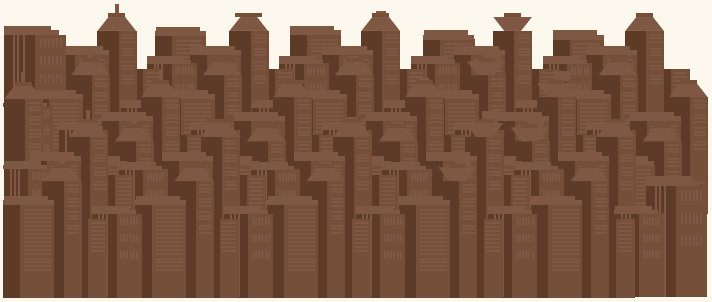
Number of spoons made = 1,23,105
Number of spoons left = 2,013

Number of spoons used = ☐



4 **In the end, Jane presented Flavorton city. Jane mixed 21,125 cream chocolate packets and 79,186 dark chocolate packets.**

The total number of packets used by her: ☐



Learning Outcome:
We relate addition and subtraction using visuals and express as a number statement.
1.OA.B.4

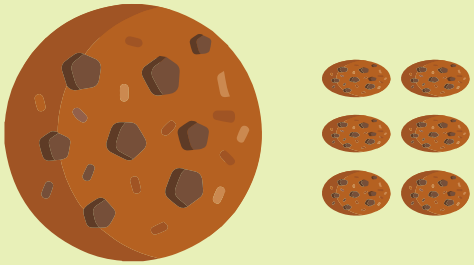
Application

The people of Flavorton love Jane's chocolates! Jane has received a lot of orders. She needs you, the Cocoa Captain, to help her make all these items using math!

1 Jane received an order for 3,00,500 cookies. She noted it down on a paper but water spilled over a few digits. Help her figure out the missing terms.

Order	
Oatmeal cookies	1,__5, 1__5
Chocolate cookies	1,3__,3 2 5
Total	3, 0 0, 5 0 0

2 Jane made a total of 32,546 cookies in 4 hours, but 1,265 were not in good shape. How many cookies are good to go?



3 A customer ordered 5 cakes but then he canceled 2 of them. He bought boxes of ice cream that were twice the number of cakes ordered. Select the expression that shows the correct number of boxes of ice cream.

$2 + (5 + 2)$ $2 \times (5 + 2)$ $2 \times (5 - 2)$

4 The total order from a customer can be expressed as: $3y + 20$. What is the value of his order for $y = 40$?

Learning Outcome:
We relate addition and subtraction using visuals and express as a number statement.
1.OA.B.4

Create

Jane is fond of creating new varieties of chocolates. That's exactly what she's doing right now. Let's help her create mouth-watering treats.

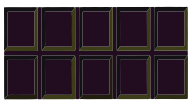
Make yummy new variants by selecting a type of chocolate and an ingredient from the list. Give a name to each variant.

Types of chocolates:

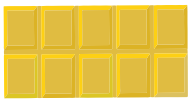
White chocolate (WC)

Milk chocolate (MC)

Dark chocolate (DC)



Salted caramel chocolate (SCC)



Ruby chocolate (RC)

Ingredients:

Cocoa beans (CB)

Cocoa butter (B)

Cocoa powder (CP)

Almonds (A)

Cashew nuts (CN)

You can select any of the following quantities of chocolate:

12,144	1,32,344	1,02,244	17,123	14,132	2,43,211

You can select any of the following quantities of ingredient:

1,398	4,556	1,768	5,123	3,423	2,456

Variants	Types of chocolate	New variant of chocolate		Total units of each variant	Name
		Units of chocolate	Units of ingredient		
Variant 1	WC + CB	1,02,244	2,456	1,04,700	Jane's special
Variant 2					
Variant 3					
Variant 4					
Variant 5					

A customer orders 4,123 units of each new variant. How many chocolates of each variant will be left after delivering the order?

Variants	Name of the new variant	Total units of each variant	Customer order	Number of chocolates left
Variant 1	Jane's special	1,04,700	4,123	1,00,577
Variant 2			4,123	
Variant 3			4,123	
Variant 4			4,123	
Variant 5			4,123	