

## Cookie Toppings Anchor Papers

STUDENT A

### Cookie Toppings

Hector and Emilio love volunteering at the local bakery. They especially love that the baker allows them to eat the leftover cookie toppings that don't make a full batch of cookies. Chocolate chips, butterscotch morsels, and sprinkles are the featured toppings of the day. The chart below shows the total amount of each topping and the amount needed for one batch of cookies.

Topping	Total Amount	Amount per Batch
Chocolate Chips	$5\frac{1}{2}$ cups	$\frac{1}{2}$ cup
Butterscotch Morsels	$5\frac{1}{2}$ cups	$\frac{3}{4}$ cup
Sprinkles	$3\frac{1}{2}$ cups	$\frac{1}{4}$ cup



- 1) Based on this information, how many batches of cookies can they make with each topping? Show your strategy using pictures, words, and symbols.

Number of Batches		
Chocolate Chips	Butterscotch Morsels	Sprinkles
<p>12 6 batches</p>	<p><math>7\frac{1}{4}</math> batches</p>	<p>16 batches</p>

- 2) Which topping will Hector and Emilio be allowed to eat, and what fraction of a cup of that topping will be left over? Provide evidence to support your reasoning.

I think it's sprinkles

## Cookie Toppings Anchor Papers

STUDENT B

### Cookie Toppings

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Sprinkles	$3\frac{1}{2}$ cups	$\frac{1}{4}$ cup



- 1) Based on this information, how many batches of cookies can they make with each topping? Show your strategy using pictures, words, and symbols.

Number of Batches		
Chocolate Chips	Butterscotch Morsels	Sprinkles
$5\frac{1}{2} \div \frac{1}{2} = 11$ 11 batches 0 cups left 	$5\frac{1}{2} \div \frac{3}{4} = 7$ 7 batches $\frac{1}{4}$ cup left 	$3\frac{1}{2} \div \frac{1}{4} = 14$ 14 batches 0 cups left

- 2) Which topping will Hector and Emilio be allowed to eat, and what fraction of a cup of that topping will be left over? Provide evidence to support your reasoning.

They will be allowed to eat butterscotch morsels  
 $\frac{1}{4}$  one fourth of a cup will be left  
 $5\frac{1}{2} \div \frac{3}{4} = 7R\frac{1}{4}$

## Cookie Toppings Anchor Papers

STUDENT C

### Cookie Toppings

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- 1) Based on this information, how many batches of cookies can they make with each topping? Show your strategy using pictures, words, and symbols.

Number of Batches		
<p>Chocolate Chips</p> <p>11 batches</p>	<p>Butterscotch Morsels</p> <p>7</p>	<p>Sprinkles</p> <p>14 batches</p>

- 2) Which topping will Hector and Emilio be allowed to eat, and what fraction of a cup of that topping will be left over? Provide evidence to support your reasoning.

Butterscotch Morsel has  $\frac{1}{4}$  <sup>Butterscotch</sup> left over.  
 so they are allowed to eat  
 Butter scotch.

## Cookie Toppings Anchor Papers

STUDENT D



### Cookie Toppings

Hector and Emilio love volunteering at the local bakery. They especially love that the baker allows them to eat the leftover cookie toppings that don't make a full batch of cookies. Chocolate chips, butterscotch morsels, and sprinkles are the featured toppings of the day. The chart below shows the total amount of each topping and the amount needed for one batch of cookies.

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Butterscotch Morsels	$5\frac{1}{2}$ cups	$\frac{3}{4}$ cup
Sprinkles	$3\frac{1}{2}$ cups	$\frac{1}{4}$ cup



- 1) Based on this information, how many batches of cookies can they make with each topping?  
 Show your strategy using pictures, words, and symbols.

Number of Batches		
Chocolate Chips  11 Batches	Butterscotch Morsels $3\frac{1}{4} + 3\frac{1}{4} + 3\frac{1}{4} + 3\frac{1}{4}$ $3\frac{1}{4} + 3\frac{1}{4} + 3\frac{1}{4}$	Sprinkles  4 Batches

- 2) Which topping will Hector and Emilio be allowed to eat, and what fraction of a cup of that topping will be left over? Provide evidence to support your reasoning.

# Cookie Toppings Anchor Papers

## STUDENT E

### Cookie Toppings

Hector and Emilio love volunteering at the local bakery. They especially love that the baker allows them to eat the leftover cookie toppings that don't make a full batch of cookies. Chocolate chips, butterscotch morsels, and sprinkles are the featured toppings of the day. The chart below shows the total amount of each topping and the amount needed for one batch of cookies.

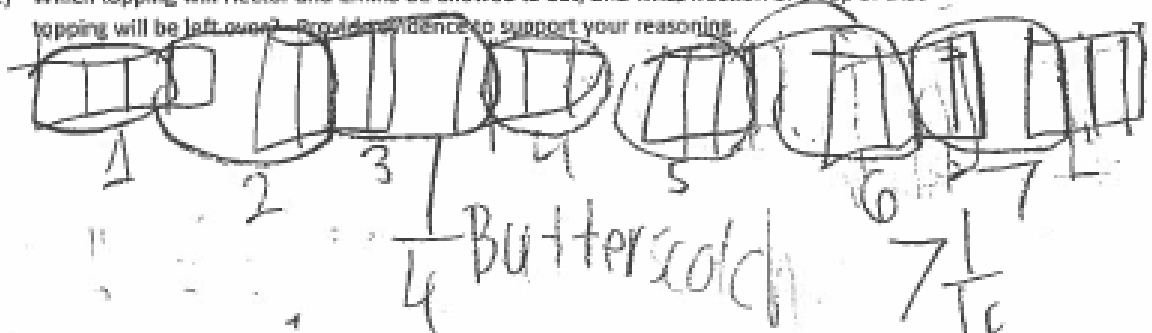
Topping	Total Amount	Amount per Batch
Chocolate Chips	$5\frac{1}{2}$ cups	$\frac{1}{2}$ cup
Butterscotch Morsels	$5\frac{1}{2}$ cups	$\frac{3}{4}$ cup
Sprinkles	$3\frac{1}{2}$ cups	$\frac{1}{4}$ cup



- 1) Based on this information, how many batches of cookies can they make with each topping? Show your strategy using pictures, words, and symbols.

Number of Batches		
<p>Chocolate Chips</p> <p><math>5\frac{1}{2} = 5\frac{2}{4}</math></p> <p><math>\frac{1}{2}, 1, 1\frac{1}{2}, 2, 2\frac{1}{2}, 3, 3\frac{1}{2}</math></p> <p><math>4, 4\frac{1}{2}, 5, 5\frac{1}{2}</math></p> <p>11 Batches</p>	<p>Butterscotch Morsels</p> <p><math>5\frac{1}{2} = 5\frac{2}{4}</math></p> <p><math>\frac{3}{4}, 1\frac{2}{4}, 2\frac{1}{4}, 3, 3\frac{3}{4}</math></p> <p><math>4, 4\frac{2}{4}, 5\frac{1}{4}</math></p> <p>7 Batches</p>	<p>Sprinkles</p> <p><math>3\frac{1}{2} = 3\frac{2}{4}</math></p> <p><math>\frac{1}{4}, 2, 2\frac{3}{4}, 3</math></p> <p><math>4, 4\frac{1}{4}, 4\frac{2}{4}, 5</math></p> <p>7 Batches</p>

- 2) Which topping will Hector and Emilio be allowed to eat, and what fraction of a cup of that topping will be left over? Provide evidence to support your reasoning.



## Cookie Toppings Anchor Papers

STUDENT F

### Cookie Toppings

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- 1) Based on this information, how many batches of cookies can they make with each topping? Show your strategy using pictures, words, and symbols.

Number of Batches		
Chocolate Chips	Butterscotch Morsels	Sprinkles
<p>11 batches</p>	<p>7 batches left over</p>	<p>14 batches</p>

- 2) Which topping will Hector and Emilio be allowed to eat, and what fraction of a cup of that topping will be left over? Provide evidence to support your reasoning.

$\frac{1}{4}$  of a cup for them to eat. He had a total of  $7\frac{3}{4}$  and then they had  $\frac{1}{4}$  left for them to eat of a cup.