

1 cup Mix +  $\frac{1}{3}$  cup H<sub>2</sub>O +  $\frac{1}{4}$  tsp butter  $\rightarrow$  8 pancakes

Name \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

8 pancakes = 1 cup Mix  $\frac{1}{3}$  cup H<sub>2</sub>O  
 $\frac{1}{4}$  tsp Butter

**Short Stack**

1) Using the recipe, figure out how many pancakes you can make given your ingredients. (7) 8 pancakes

(1) 4 pancakes (2) 16 pancakes (3) 32 pancakes (4) 16 pancakes (5) 4 pancakes (6) 8 pancakes

2) Why are you limited in how many pancakes you can make?

(1) butter (2) PC Mix (3) butter (4) H<sub>2</sub>O (5) PC Mix (6) H<sub>2</sub>O (7) PC Mix

3) What ingredient is limiting you? (Which ingredient did you run out of first?)

4) Which ingredients do you have left over? How much of each?

(1)  $3\frac{1}{2}$  cups;  $\frac{5}{6}$  cup H<sub>2</sub>O (2)  $\frac{1}{3}$  cup H<sub>2</sub>O,  $2\frac{1}{2}$  tsp butter (3) 5 cups PC /  $\frac{2}{3}$  cups H<sub>2</sub>O (4) 1 cup PC / ~~1 cup~~  $9\frac{1}{2}$  tsp

(5)  $\frac{5}{6}$  cup H<sub>2</sub>O;  $\frac{1}{8}$  tsp butter (6) 1 cup PC / ~~1 cup~~  $\frac{3}{4}$  tsp butter

(7)  $\frac{1}{4}$  tsp butter;  $\frac{1}{3}$  cup H<sub>2</sub>O

**Burger time**

Recipe:

- 1 Bun
- 1 Piece of cheese
- 2 Pieces of lettuce
- 1 Piece of meat

Each Burger needs to be made according to the recipe above. If you are given these ingredients:

34 Buns <sup>34</sup>  
27 Pieces of cheese <sup>27</sup>  
55 Pieces of lettuce <sup>27.5</sup>  
40 Pieces of meat <sup>40</sup>

1 Bun + 1 cheese + 2 lett + 1 meat  $\rightarrow$  1 burger

1) How many burgers can you make?

27

2) What is the limiting ingredient? (Which one do you run out of first?)

Cheese

3) What ingredients do you have left over, and how much of each?

7 Buns  
0 cheese  
1 lettuce

13 meat

Board	
1	1 tsp butter
1	1 cup H <sub>2</sub> O
16pc	2 cups Mix *

Recipe	(2)	(3)	(4)	(5)	(6)
$\frac{1}{8}$ tsp Butter	2 tsp butter	1 tsp butter	10 tsp butter	$\frac{1}{4}$ tsp butter	1 tsp butter
$\frac{1}{3}$ cup H <sub>2</sub> O	1 cup H <sub>2</sub> O	2 cups H <sub>2</sub> O	$\frac{2}{3}$ cup H <sub>2</sub> O	1 cup H <sub>2</sub> O	$\frac{1}{3}$ cup H <sub>2</sub> O
4 cups Mix	2 cups Mix	9 cups Mix	3 cups Mix	$\frac{1}{2}$ cup Mix	2 cups Mix

Name \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

### Short Stack

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- 2) Why are you limited in how many pancakes you can make?
- 3) What ingredient is limiting you? (Which ingredient did you run out of first?)
- 4) Which ingredients do you have left over? How much of each?

### Burgertime

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- 1) How many burgers can you make?
- 2) What is the limiting ingredient? (Which one do you run out of first?)
- 3) What ingredients do you have left over, and how much of each?