

**Cake problems**

**Directions: All work must be shown to receive full credit**

Name: Nomani  
 Date: \_\_\_\_\_ Period: \_\_\_\_\_

1.) It's Susan's birthday and she got herself a cake to celebrate and share with friends.

- She gave  $\frac{1}{6}$  to Stan.
- $\frac{1}{5}$  of what was left to Ellie.
- $\frac{1}{4}$  of what was left to Tom.
- $\frac{1}{3}$  of what was left to Nancy.
- $\frac{1}{2}$  of what was left to Kathy.
- And Susan ate the remainder.



A.) How much did Susan eat?  $\frac{1}{6}$

2.) Cindy loves making brownies. She made brownies for her family.

LCD: 12

- Son Rob ate  $\frac{1}{3} \cdot 12 = 4$
- Daughter Sarah ate  $\frac{1}{4}$  of what was left.  $\frac{1}{4} \cdot 8 = 2$
- Her husband ate  $\frac{1}{2}$  of what was left.  $\frac{1}{2} \cdot 6 = 3$
- Cindy ate the rest.

Rob	Rob	Rob	Rob
Sarah	Husband	Husband	Husband
Sarah			

A.) How much did she eat?  $\frac{3}{12} = \frac{1}{4}$

B.) Who ate the least? Sarah

C.) Who ate the most? Rob

3.) Adam cut  $\frac{1}{2}$  of the lawn. His sister Sarah cut  $\frac{2}{3}$  what was left. How much of the lawn was left for sister Lydia to do when they left?

