

### **All for Pie, Pie for All**

1. Momma Cat, Poppa Cat, Grandma Cat, Big Sister Cat, and Little Brother Cat each eat a piece of pie and one piece of pie is leftover—what part of a whole pie did each cat eat?

What part of a whole pie did the cat family eat together? What part of a whole pie is leftover?

2. While the cat family naps, the 5 members of the mouse family each eat a portion of the leftover piece of pie—what part of the leftover pie did each mouse eat?

What part of the leftover pie did the mouse family eat together?

What part of the leftover pie still remains after the mouse family is done?

BUT—let's change those questions a bit—what part of a whole pie did each mouse eat? What part of a whole pie did the mouse family eat together?

3. While the mouse family naps, the 6 members of the ant family each eat a crumb to finish off the pie—what part of a whole pie did each ant eat?

Extensions:

1. Suppose there was  $\frac{1}{4}$  of a pie left and you ate  $\frac{1}{3}$  of the leftover pie for a late night snack. How much of a whole pie did you eat?

2. Suppose there was  $\frac{1}{3}$  of a pie left and you ate  $\frac{1}{2}$  of the leftover pie for a snack. How much of a whole pie did you eat?

3. Suppose we had  $\frac{3}{4}$  of a pie left and I ate  $\frac{1}{3}$  of the leftover pie as a snack. What part of a whole pie did I eat?