

Name \_\_\_\_\_

## Mixed Operation Fraction Word Problems Lesson



**Thomas was a pizza chef. Each pizza pie that he makes has 8 slices. His restaurant allows customers to order quarter, half, or whole pizzas. Thomas received an order for 1 whole pizza, 4 half pizzas, and 5 quarter pizzas. How many slices did they order in total?**

### Explanation:

**Step 1) The best way to set this problem up is to determine how many slices are in each fraction of pizza pie:**

**1 Whole pizza = 8 slices**

**$1/2$  of a pizza =  $8 \times 1/2 = 4$  slices**

**$1/4$  of a pizza =  $8 \times 1/4 = 2$  slices**

**Step 2) Determine how slices you have within the order.**

**The order consists of 1 whole pizza, 4 half pizzas, and 5 quarter pizzas =**

**1 Whole pizza = 8 slices**

**$4 (1/2 \text{ of a pizza}) = 4 (4 \text{ slices}) = 16 \text{ slices}$**

**$5 (1/4 \text{ of a pizza}) = 5 (2 \text{ slices}) = 10 \text{ slices}$**

**Step 3) Add up all the slices:**

**$8 \text{ slices} + 16 \text{ slices} + 10 \text{ slices} = 34 \text{ slices}$**

