

Name: _____

Addition and Subtraction Warm-Up

Addition and Subtraction are what are called *inverse operations*. This means that they are related as shown by the following example:

$$3 + 4 = 7 \quad \rightarrow \quad 7 - 3 = 4 \quad \text{and} \quad 7 - 4 = 3$$

This is important. It tells you that if you know the sum (combined total) of two numbers and you also know either of the numbers, you can find the other number by subtracting the number you know from the total.

Example:

You have choice of pizza or tostadas for school lunch. 17 fourth graders have pizza for lunch and the rest have tostadas. If there are 35 students in the fourth grade, how many have tostadas for lunch?

$$35 \text{ lunches} = 17 \text{ pizza} + \text{_____} \text{ tostadas} \rightarrow 35 - 17 = \text{_____} \text{ tostadas}$$

Answer: _____ students have tostadas.

1. Fill in the blanks:

$$9 + \text{_____} = 17$$

$$15 + \text{_____} = 22$$

$$31 = 14 + \text{_____}$$

$$18 + \text{_____} = 60$$

2. Ms. Freedman brought in ice cream for the class (18 students). 11 students had chocolate ice cream and the rest had vanilla. How many students had vanilla ice cream?