

**Math 6 - Unit 8: Operations w/ Rational Numbers**

Addition of Rational Numbers Homework Day #2

Name: Key

Class Period: 1 2 3 4 Date: \_\_\_\_\_

**Add.**

1.  $34 + 22$

$56$

2.  $-29 + 30$

3.  $9 + (-32)$

$-23$

4.  $-16 + (-28)$

5.  $4 + (-50)$

6.  $-12 + (-63)$

$-46$

7.  $-42 + 42$

8.  $-28 + 14$

9.  $13 + 63$

$0$

$76$

10.  $18 + (-12) + 5$

11.  $-22 + (-10) + 15$

12.  $-14 + 0 + 13$

$-17$

**Write an addition expression to describe each situation. Then find each sum and explain its meaning.**

13. **WEIGHT** An actor gains 20 pounds for a part and then loses 15 pounds during the filming of the movie to go along with the story.

$$20 + (-15) = 5 \text{ pounds gained at the end of filming.}$$

14. **TEMPERATURE** At 4:00 A.M., the outside temperature was  $-28^{\circ}\text{F}$ . By 4:00 P.M. that same day, it rose 38 degrees.

15. **ROLLER COASTERS** The latest thrill ride at a popular theme park takes roller coaster fans on an exciting ride. In the first 20 seconds, it carries its passengers up a 100-meter hill, plunges them down 72 meters, and quickly takes them back up a 48-meter rise. How much higher or lower from the start of the ride are they after these 20 seconds?

$$100 + (-72) + 48 = 76 \text{ meters higher}$$