Name _____

Date _____

Grade 6 Math

Adding Integers

I. You can use the number line to help you add the integers.

$$\overset{\longleftarrow}{\underset{\substack{-14\ -13\ -12\ -11\ -10\ -9\ -8\ -7\ -6\ -5\ -4\ -3\ -2\ -1\ \ 0\ \ 1\ \ 2\ \ 3\ \ 4\ \ 5\ \ 6\ \ 7\ \ 8\ \ 9\ \ 10\ 11\ 12\ 13\ 14}}{\rule{34em}{0.4pt}}} \longrightarrow$$

1) $-6 + -3 =$

2) $8 + -5 =$

3) $-5 + -3 =$

4) $-8 + 8 =$

5) $-6 + 5 =$

6) $12 + -6 =$

7) $-9 + -2 =$

8) $-16 + 7 =$

9) $8 + -3 =$
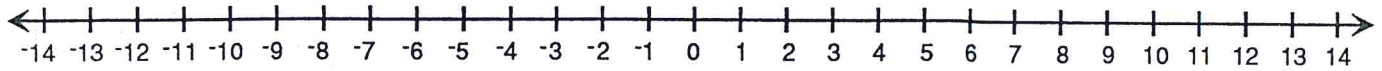
10) $13 + -9 =$

II. What do you notice when you add the following pairs of equations?

_____

_____

11) $100 + -53 =$

12) $-53 + 100 =$

13) $-3 + 35 =$

14) $35 + -3 =$

III. The parentheses tell you which pair of numbers to add first.

15) $(5 + -3) + -6 =$

16) $(6 + -4) + 7 =$

17) $-8 + (7 + 5) =$

18) $(-6 + -9) + 9 =$

19) $-6 + (-9 + 9) =$

IV. For each exercise below you have to do two things.

1. First write down the problem

2. Then find the answer

Example:
The Jackets football team gained 9 yards on their first play. On the next three plays they lost 4 yards, gained 3 yards and lost 3 yards. How did the team do altogether on these four plays?

Problem: **9 + -4 + 3 + -3 = 5**

$$5 \quad + 3 + -3$$
$$8 \quad + -3$$
$$5$$

Answer: **They gained 5 yards**

20) The Raiders gained 2 yards, lost 18 yards, lost 2 yards and then gained 10 yards. How did they do on these four plays?

Problem:

Answer:

21) Nelsen was playing the roulette wheel with his friends. He won 35 dollars. Then he lost 15, lost 40 and won 55. How did he come out?

Problem:

Answer:

22) Shirlee had a savings account. Her first deposit was $35. Then she deposited $10, withdrew $20, withdrew $5, deposited $50, withdrew $10 and deposited $25. How much does she now have in her account?

Problem:

Answer: