

## Integers Study Guide

Name \_\_\_\_\_

Write the rule for adding integers with the same sign.

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Write the rule for adding integers with different signs.

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Write the rule for multiplying and dividing integers with the same sign.

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Write the rule for multiplying and dividing integers with different signs.

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Determine the value of the following.

1.)  $|14|$

2.)  $|5 - 6|$

Replace each \_\_\_\_\_ with  $<$  or  $>$ .

3.)  $-11 \_ 4$

4.)  $6 \_ -6$

Order the following from least to greatest.

5.)  $2, 23, -2, -30, 0$

Complete the following problems.

6.)  $-2 + 4 =$

7.)  $-8 + (-2) =$

8.)  $4 + 3 =$

9.)  $-2 - (-4) =$

10.)  $-8 - 2 =$

11.)  $4 - (-3) =$

12.)  $-2(-5) =$

13.)  $4(-6) =$

14.)  $5(3) =$

15.)  $\frac{-14}{7} =$

16.)  $\frac{21}{-3} =$

17.)  $\frac{-20}{-4} =$

**Write and expression and solve the word problems.**

18.) Benny found 61 seashells on the beach. He gave Jessica some of his seashells. He has 15 seashell left. How many seashells did he give to Jessica?

19.) Mike has 33 books in his library. He bought several books at a yard sale over the weekend. He now has 99 books in his library. How many books did he buy at the yard sale?

20.) The price of one share of a stock fell 4 dollars each day for 8 days. How much value did one share of the stock lose?

21.) The company has large and small ink cartridges for sale. How many ink cartridges can you buy with 270 dollars if one cartridge costs 18 dollars?