Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Table # \_\_\_\_ Period \_\_\_ Date \_\_\_\_

**1.5A Dividing Integers\_Classwork**

*Objective: CCSS 7.NS.2b and 3*

Dividing Integers with the Same Sign: the quotient of two integers with the same sign is positive.

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| --- | --- | --- |
|   $\frac{8}{4}=$8 ÷ 4 = \_\_\_\_\_\_ |  $\frac{-16}{-2}=$ \_\_\_\_\_\_\_= \_\_\_\_ |   $\frac{20}{4}= \\_\\_\\_\\_\\_\\_\\_=\\_\\_\\_\\_\\_$ |

Dividing Integers with Different Signs: The quotient of two integers with different signs is negative

|  |  |  |
| --- | --- | --- |
|  $\frac{-21}{7}=$ -21 ÷ 7 = \_\_\_\_\_\_ | $\frac{14}{-2}=$ \_\_\_\_\_\_\_= \_\_\_\_ |   $\frac{-15}{3}=$ \_\_\_\_\_\_\_= \_\_\_\_ |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Problems** | **Fraction** | **Type of Quotient** | **Positive, Negative, or Zero** | **Quotient (Answer)** |
| 1. -15 ÷ 3
 |  |  |  |  |
| 1. 12 ÷ 4
 |  |  |  |  |
| 1. 12 ÷ (-3)
 |  |  |  |  |
| 1. -12 ÷ -4
 |  |  |  |  |
| 1. 0 ÷ -15
 |  |  |  |  |
| 1. 4 ÷ 0
 |  |  |  |  |

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| Use order of operations: P/E/MD/AS\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Evaluate the expression when a = -18 and b = -6

|  |  |  |
| --- | --- | --- |
| 1. $10-a÷b$
 | 1. $\frac{(a+6)}{3}$
 | 1. $\frac{b^{2}}{a}+4$
 |

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| **Problem 1:** |
| **Problem 2:** An alligator population in a nature preserve in the Everglades decreases by 60 alligators over 5 years. What is the mean yearly change in the alligator population?“Mean” is another word for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **Problem 3:** You read 105 pages of a novel over 7 days. What is the mean number of pages you read each day? |