Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

HR\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Subject\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Aim:** By the end of class, you will be able to

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Notes:**

* Division of positive and negative integers is similar to division of whole numbers – however, we need to make sure we know the sign (charge) of the answer.
* There are some rules to help us remember how to sign the numbers.
  + The quotient of two integers with *different* signs is always *negative*
* The quotient of two integers with the *same* sign is always *positive*
* You can never divide by zero
* One fun way to remember the rules for multiplying integers is below. For this example below, think:
  + Good equals positive
  + Bad equals negative

|  |  |  |
| --- | --- | --- |
| **Situation** | **Result** | **What it means** |
| When **good** things happen to **good** people… |  | positive x positive = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| When **bad** things happen to **good** people… |  | negative x positive = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| When **good** things happen to **bad** people… |  | positive x negative = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| When **bad** things happen to **bad** people… |  | negative x negative = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

|  |  |
| --- | --- |
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|  |  |

|  |  |
| --- | --- |
| 1.  -30 ÷ -10 = | 2. |
| 3.  10 ÷ 5 = | 4.  -100 ÷ 10 = |
| 5. | 6. |