## Unit 5 Lesson 13: Expressions with Rational Numbers

### 1 True or False: Rational Numbers (Warm up)

#### Student Task Statement

Decide if each statement is true or false. Be prepared to explain your reasoning.

1. is negative

### 2 Card Sort: The Same But Different

#### Student Task Statement

Your teacher will give you a set of cards. Group them into pairs of expressions that have the same value.

### 3 Near and Far From Zero

#### Student Task Statement

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |
|  | 6 |  |  |  |  |  |  |
|  | -6 |  |  |  |  |  |  |
| -6 |  |  |  |  |  |  |  |

1. For each set of values for and , evaluate the given expressions and record your answers in the table.
2. When and , which expression:

* has the largest value?
* has the smallest value?
* is the closest to zero?

1. When and , which expression:

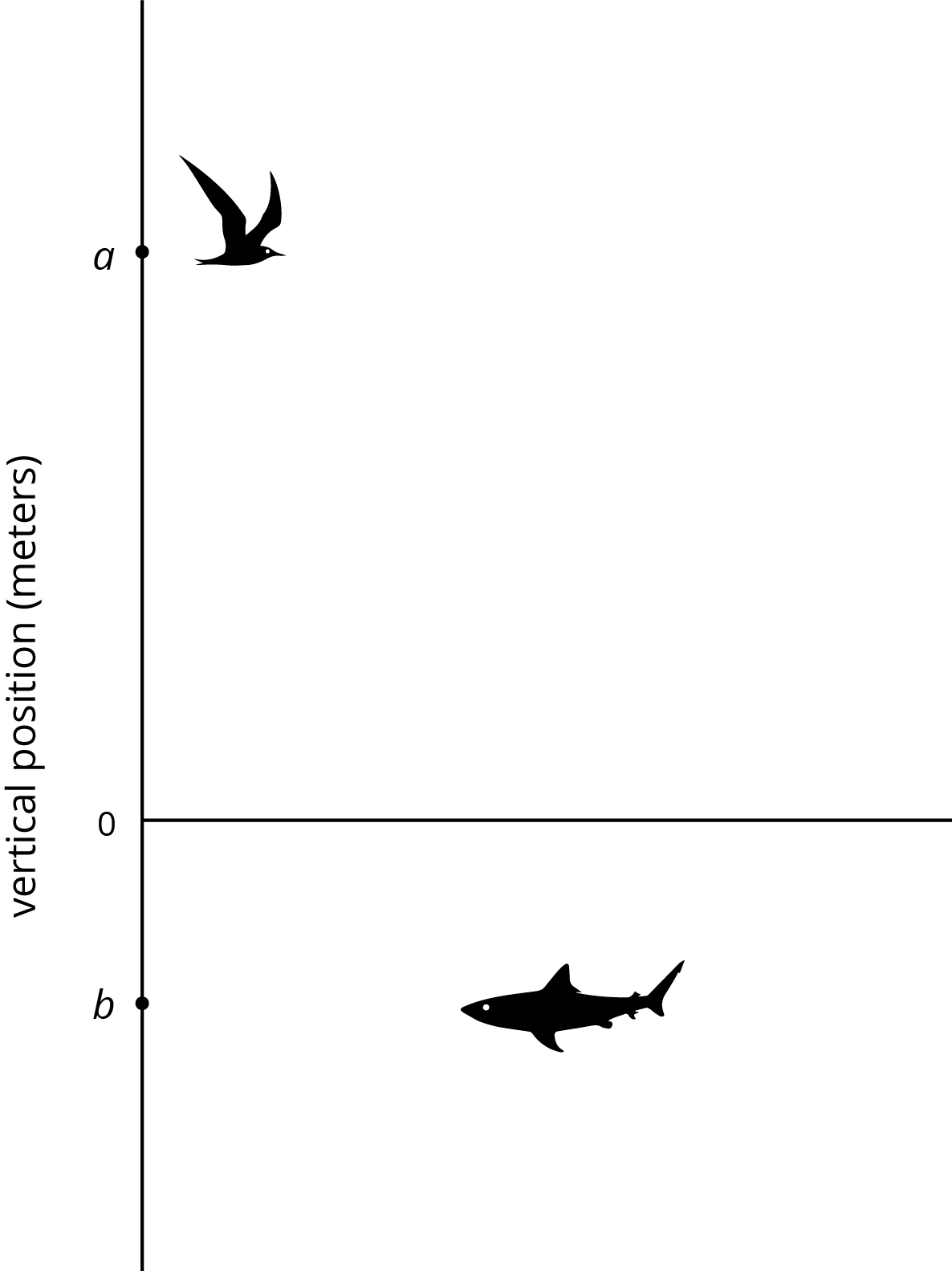
* has the largest value?
* has the smallest value?
* is the closest to zero?

1. When and , which expression:

* has the largest value?
* has the smallest value?
* is the closest to zero?

### 4 Seagulls and Sharks Again (Optional)

#### Student Task Statement



A seagull has a vertical position , and a shark has a vertical position . Draw and label a point on the vertical axis to show the vertical position of each new animal.

1. A dragonfly at , where
2. A jellyfish at , where
3. An eagle at , where .
4. A clownfish at , where
5. A vulture at , where
6. A goose at , where



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