



Mathematics Benchmark

Constructed Response Marking Scheme

Grade: Grade 7

Item Description: Number Line

Mathematical Content

1 point

0
 $a + b = 0$
zero

Mathematical Process

2 points: Student demonstrates an understanding that the sum of a number and its additive inverse (opposite) is zero

Example:

- Student explanation provides an understanding “*a*” can be any positive number and “*b*” is the inverse (opposite) of “*a*”
- student gives an specific example

1 point:

- Student gives an example of $a + b = 0$ however explanation of thinking is flawed, unclear or does not extend to multiple answers.
- Student understands that *a* is positive and *b* is negative

0 points:

The student provides a completely incorrect explanation or