



# Mathematics Benchmark

## Constructed Response Marking Scheme



Grade: 5

Item Description: Keisha's Fish Tank

**Mathematical Content**

**1 point**

**15 inches** (answer does not need to be labeled to earn point)

**Mathematical Process**

**2 points:**

- Shows clear understanding of volume as an extension of area (building up from area, multiplying height by the area of the base)
- Shows use of at least one of these operations to find height in relation to found area: division, repeated subtraction, multiplication, repeated addition
- May include minor computation errors
- May or may not identify the formula for volume

**1 point:**

- Finds area of base but shows partial understanding of volume
- Work shows limited or unclear understanding of student thinking

**0 points:**

- Work shows only understanding of area or perimeter
- Does not show understanding of volume as a three-dimensional attribute

The student provides a completely incorrect explanation or justification, one that cannot be interpreted, or there is no response.