

Multiplying Decimals: Estimation Strategy

Lesson 6-9

DATE

TIME



Math Message

Tori has 8 blocks. Each block is 1.2 centimeters high.

If Tori stacks the blocks, what will the height of the stack be? 9.6 cm

Solve Problems 1–3 using the following method:

Step 1: Make an estimate.

Step 2: Multiply as if the factors were whole numbers.

Step 3: Use your estimate to place the decimal point in the product.

1 $76.1 * 9.6 = ?$

Estimate: Sample answer: $75 * 10 = 750$

Answer: 730.56

2 $189.6 * 1.75 = ?$

Estimate: Sample answer: $200 * 2 = 400$

Answer: 331.8

3 $5.6 * 0.8 = ?$

Estimate: Sample answer: $6 * 1 = 6$

Answer: 4.48