

Name: _____ Date: _____



NVACS: Operations and Algebraic Thinking (3.OA.A.4)

Practice for 3rd Graders

Finding the unknown in a division equation

In Third Grade, students must determine the unknown whole number in a multiplication or division equation relating three whole numbers. For example, students will find the unknown number that makes the equation true in each of the equations:

$$9 \times \square = 45$$

$$48 = \square \div 6$$

$$7 \times 7 = \square$$

Marcos and Olivia are trying to determine which number could be placed in the box to make this equation true.

Olivia is certain that 32 is the only number that will make this equation true.

Marcos argues that the only number that will make the equation true is 2.

$4 = \square \div 8$ Who is correct? Use numbers, pictures, and/or words to explain your thinking.

Mrs. Roberts wrote the following equation on the board.

$$12 \div 6 = \square \quad \text{and} \quad \square \div 2 = 6$$

Enid placed a **2** in the first box and a **3** in the second box. Is she correct? Why or why not? Use numbers, pictures, and/or words to prove your response.