Name _____   Date _____

Convert a rational number to a decimal - Guided Lesson Explanation

Explanation#1

Step 1) First we add 2 + 0.3 = 2.3

Step 2) Then we add 2.3 + 2.1 = 4.4

Explanation#2

1 column is shaded. The column represents 1 tenth, or 0.1.

6 rows are shaded. The rows represent 6 tenths, or 0.6.

6 squares are shaded in both colors. These squares represent 6 hundredths, or 0.06.

The multiplication sentence is: $0.1 \times 0.6 = 0.06$

0.6 is the missing number.

Explanation#3

Write the decimal as the fraction "five tenths."

$\frac{5}{10} = \frac{1}{2}$

Reduce the fraction to simplest form.

Divide the numerator and the denominator each by the 5.

So, the answer is $\frac{1}{2}$.