Divide Decimals by Whole Numbers

When you multiply or divide decimals are treated like whole numbers. The only difference is in the existence of the decimal point.

Divide 3.96 by 3

STEP 1: Divide as you would with whole numbers.

$$3 \overline{)396} = 132$$

STEP 2: Count the number of decimal places in the dividend

STEP 3: 3.96 → has two decimal places.

Starting at the right side of the answer, count over the number of place values.
         Answer: 1.32

Examples:

A- Find the quotient.

1) 2.45 ÷ 0.5   2) 6.22 ÷ 0.4   3) 0.64 ÷0.8
    ___4.9___   __15.55__   ___0.8___

My Real Life

B- Rana earned 124.56 Aed for her 2.4 hours of work in the library. How much did she earn per hour?

To guess how much Rana earned per hour, divide the amount of money she received by the days she has spent working.

124.56 ÷ 2.4 = 51.9 Aed per hour.