G5-M4-Lesson 29

1. Divide. Rewrite each expression as a division sentence with a fraction divisor, and fill in the blanks.

a. $4 \div 0.1 = 4 \div \frac{1}{10} = 40$

There are __10__ tenths in 1 whole.

There are __40__ tenths in 4 wholes.

b. $3.5 \div 0.1 = 3.5 \div \frac{1}{10} = 35$

> There are 10 tenths in 1, so there are 30 tenths in 3.

There are __30__ tenths in 3 wholes.

There are __5__ tenths in 5 tenths.

There are __35__ tenths in 3.5.

c. $5 \div 0.01 = 5 \div \frac{1}{100} = 500$

There are __100__ hundredths in 1 whole.

There are __500__ hundredths in 5 wholes.

d. $2.7 \div 0.01 = 2.7 \div \frac{1}{100} = 270$

> There are 100 hundredths in 1, so there are 200 hundredths in 2.

There are __200__ hundredths in 2 wholes.

There are __70__ hundredths in 7 tenths.

> There are 10 hundredths in 1 tenth, so there are 70 hundredths in 7 tenths.

There are __270__ hundredths in 2.7.

EUREKA MATH   Lesson 29:   Connect division by a unit fraction to division by 1 tenth and 1   49
                                 hundredth.

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2. Divide.

a. $35 \div 0.1$

$= 35 \div \dfrac{1}{10}$

$= 350$

> I know that there are 10 tenths in 1 and 100 tenths in 10. So there are 350 tenths in 35.

b. $1.9 \div 0.1$

$= 1.9 \div \dfrac{1}{10}$

$= 19$

> I can decompose 1.9 into 1 one 9 tenths. There are 10 tenths in 1, and 9 tenths in 9 tenths. Therefore, there are 19 tenths in 1.9.

c. $3.76 \div 0.01$

$= 3.76 \div \dfrac{1}{100}$

$= 376$

> I can decompose 3.76 into 3 ones 7 tenths 6 hundredths. 3 ones = 300 hundredths, 7 tenths = 70 hundredths, and 6 hundredths = 6 hundredths.

Lesson 29:   Connect division by a unit fraction to division by 1 tenth and 1 hundredth.

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