

Name _____

Date _____

1. Divide.

a. $27.3 \div 3$

$$= 9.1$$

b. $2.73 \div 30$

$$= 2.73 \div 3 \div 10$$

$$= .91 \div 10$$

$$= 0.091$$

c. $273 \div 300$

$$= 273 \div 3 \div 100$$

$$= 91 \div 100$$

$$= 0.91$$

2. If $7.29 \div 9 = 0.81$, then the quotient of $7.29 \div 90$ is 0.081. Use place value reasoning to explain the placement of the decimal point.

Since $7.29 \div 90$ can be written as $7.29 \div 9 \div 10$, we know its answer will be 10 times smaller than $7.29 \div 9$. So, 10 times smaller than 0.81 is 0.081.