G5-M4-Lesson 30

1. Rewrite the division expression as a fraction and divide.

a. $6.3 \div 0.9 = \frac{6.3}{0.9}$

$= \frac{6.3 \times 10}{0.9 \times 10}$

$= \frac{63}{9}$

$= 7$

I can multiply this fraction by 1, or $\frac{10}{10}$, to get a denominator that is a whole number.

After multiplying by $\frac{10}{10}$, the division expression is 63 divided by 9.

b. $6.3 \div 0.09 = \frac{6.3}{0.09}$

$= \frac{6.3 \times 100}{0.09 \times 100}$

$= \frac{630}{9}$

$= 70$

I can multiply this fraction by 1, or $\frac{100}{100}$, to get a denominator that is a whole number.

c. $4.8 \div 1.2 = \frac{4.8}{1.2}$

$= \frac{4.8 \times 10}{1.2 \times 10}$

$= \frac{48}{12}$

$= 4$

d. $0.48 \div 0.12 = \frac{0.48}{0.12}$

$= \frac{0.48 \times 100}{0.12 \times 100}$

$= \frac{48}{12}$

$= 4$

2. Mr. Huynh buys 2.4 kg of flour for his bakery.

   a. If he pours 0.8 kg of flour into separate bags, how many bags of flour can he make?

   I can divide 2.4 kg by 0.8 kg to find the number of bags of flour he can make.

$$2.4 \div 0.8 = \frac{2.4}{0.8}$$
$$= \frac{2.4 \times 10}{0.8 \times 10}$$
$$= \frac{24}{8}$$
$$= 3$$

24 divided by 8 is equal to 3.

He can make 3 bags of flour.

   b. If he pours 0.4 kg of flour into separate bags, how many bags of flour can he make?

$$2.4 \div 0.4 = \frac{2.4}{0.4}$$
$$= \frac{2.4 \times 10}{0.4 \times 10}$$
$$= \frac{24}{4}$$
$$= 6$$

He can make 6 bags of flour.