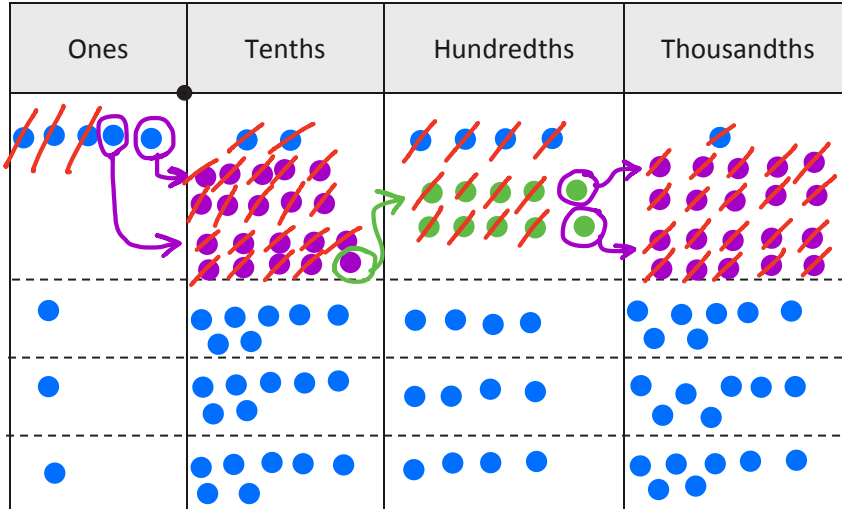Name _____   Date _____
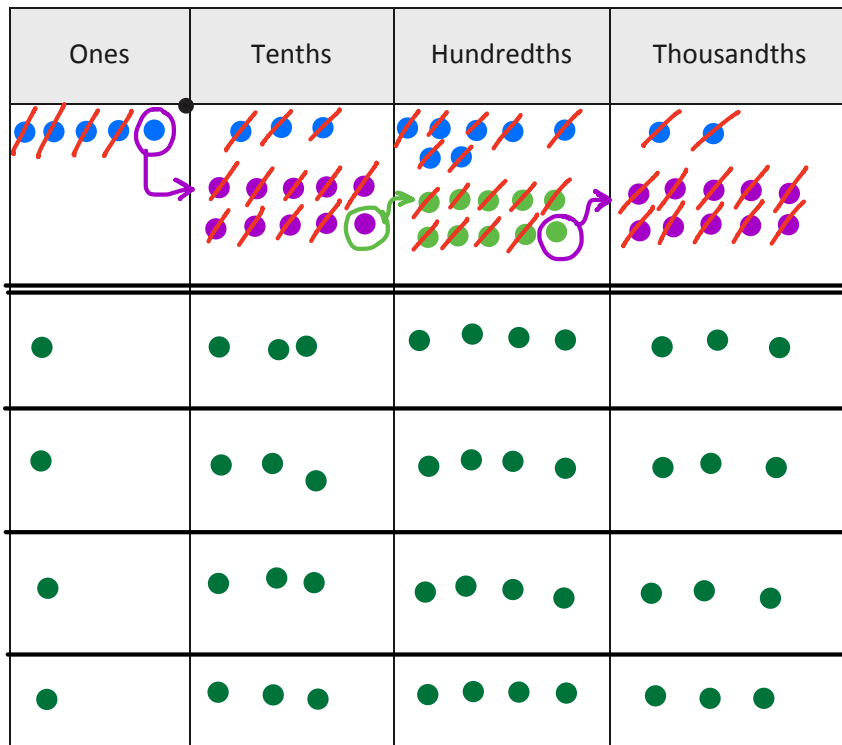
1. Draw place value disks on the place value chart to solve. Show each step using the standard algorithm.

a. 5.241 ÷ 3 = _____

Ones	Tenths	Hundredths	Thousandths

$$\begin{array}{r} 1.747 \\ 3\overline{)5.241} \\ -3 \\ \hline 22 \\ -21 \\ \hline 14 \\ -12 \\ \hline 21 \\ -21 \\ \hline 0 \end{array}$$

b. 5.372 ÷ 4 = _____

Ones	Tenths	Hundredths	Thousandths

$$\begin{array}{r} 1343 \\ 4\overline{)5.372} \\ 4 \\ \hline 13 \\ -12 \\ \hline 17 \\ -16 \\ \hline 12 \\ -12 \\ \hline 0 \end{array}$$

Lesson 14:   Divide decimals with a remainder using place value understanding and relate to a written method.

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2. Solve using the standard algorithm.

a. 0.64 ÷ 4 = __0.16__

$$4\overline{)0.64}$$
  .16
  −4
  ──
  24
  −24
  ──
   0

b. 6.45 ÷ 5 = __1.29__

$$5\overline{)6.45}$$
  1.29
  −5
  ──
  14
  −10
  ──
  45
  −45
  ──
   0

c. 16.404 ÷ 6 = __2.734__

$$6\overline{)16.404}$$
  2.734
  −12
  ──
  44
  −42
  ──
  20
  −18
  ──
  24
  −24
  ──
   0

3. Mrs. Mayuko paid $40.68 for 3 kg of shrimp. What's the cost of 1 kilogram of shrimp?

$40.68

?
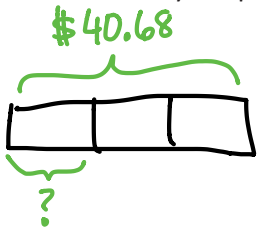
$$3\overline{)40.68}$$
  13.56
  −3
  ──
  10
  −9
  ──
  16
  −15
  ──
  18
  −18
  ──
   0

1 kg of shrimp will cost $13.56.

4. The total weight of 6 pieces of butter and a bag of sugar is 3.8 lb. If the weight of the bag of sugar is 1.4 lb, what is the weight of each piece of butter?

3.8

Bag

1.4

2.4

$$6\overline{)2.4}$$
  .4
  −24
  ──
   0
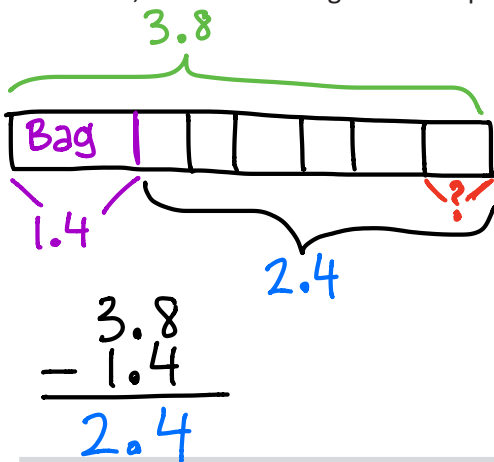
Each piece of butter weighs 0.4 pounds.

  3.8
− 1.4
 ────
  2.4

Lesson 14:   Divide decimals with a remainder using place value understanding and relate to a written method.

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