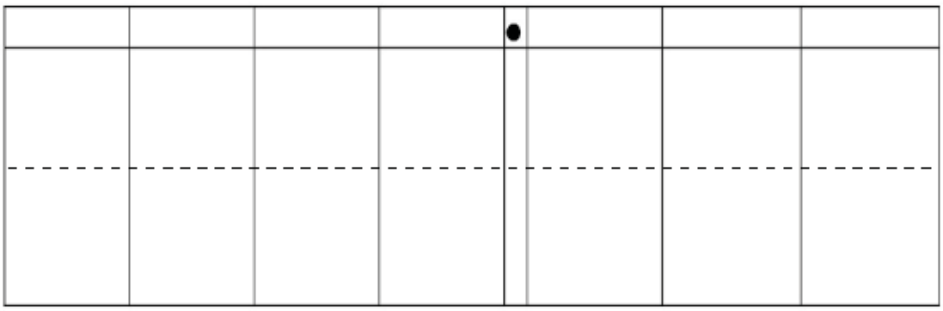
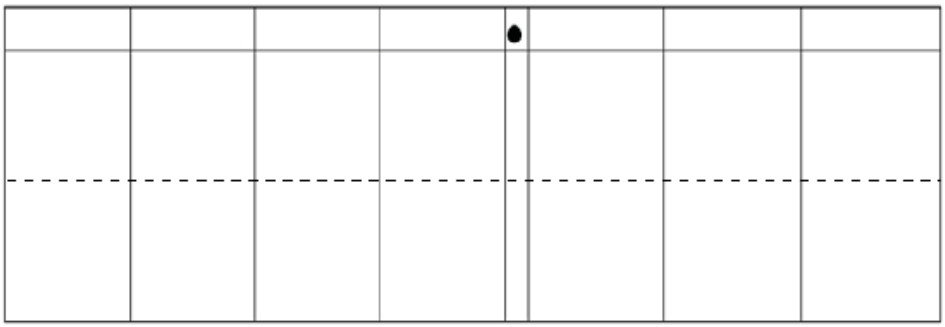
1. Write the first factor above the dashed line on the place value chart and the product or quotient under the dashed line, using arrows to show how the value of the digits changed. Then write your answer in the blank.

a. $6.671 \times 100 =$ _____



b. $684 \div 1000 =$ _____



Name _____ Date _____ # 2

1. Solve.

a. $32.1 \times 10 =$ _____

b. $3632.1 \div 10 =$ _____

2. Solve.

a. $455 \times 1000 =$ _____

b. $455 \div 1000 =$ _____

1. Write the following in exponential form and as a multiplication sentence using only 10 as a factor (e.g., $100 = 10^2 = 10 \times 10$).

a. 1,000 = _____ = _____

b. 100 × 100 = _____ = _____

2. Write the following in standard form (e.g., $4 \times 10^2 = 400$).

a. 3×10^2 = _____

b. 2.16×10^4 = _____

c. $800 \div 10^2$ = _____

d. $754.2 \div 10^3$ = _____

Name _____ Date _____ # 4

1. Convert:

a. 2 meters to centimeters 2 m × _____ = _____ cm

b. 40 milliliters to liters 40 ml ÷ _____ = _____ l

2. Read each aloud as you write the equivalent measures.

a. 4.37 l = _____ l _____ ml

b. 81.62 kg = _____ kg _____ g

1. Express nine thousandths as a decimal.

2. Express twenty-nine thousandths as a fraction.

3. Express 24.357 in words.

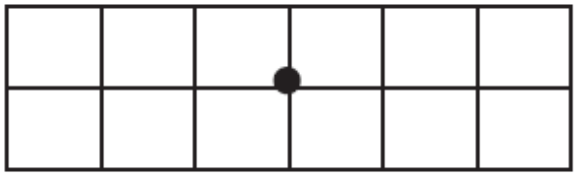
   a. Write the expanded form using fractions or decimals.

   b. Express in unit form.

Name _____ Date _____ # 6

1. Show the numbers on the place value chart using digits. Use >, <, or = to compare. Explain your thinking to the right.

167.4 ◯ 167.462



2. Use >, <, and = to compare the numbers.

32.725 ◯ 32.735

3. Arrange in descending order.

76.342 76.332 76.232 76.343

Use the table to round the number to the given places. Label the number lines and circle the rounded value.

0	8 ones	5 tenths	4 hundredths	6 thousandths
		85 tenths	4 hundredths	6 thousandths
			854 hundredths	6 thousandths
				8546

8.546 a. hundredths  b. tens 

Name _____ Date _____ # 8

1. Round the quantity to the given place value. Draw number lines to explain your thinking. Circle the rounded value on the number line.

a. 13.989 to nearest tenth

b. 382.993 to nearest hundredth

1. Solve.
   a. 4 hundredths + 8 hundredths = _____ hundredths = _____ tenths _____ hundredths

   b. 64 hundredths + 8 hundredths = _____ hundredths = _____ tenths _____ hundredths

2. Solve using the standard algorithm.

a. 2.40 + 1.8 = _____	b. 36.25 + 8.67 = _____

Name _____ Date _____ # 10

1. Subtract.

1.7 – 0.8 = _____tenths – _____tenths = _____tenths = _____

2. Subtract vertically, showing all work.

a. 84.637 – 28.56 = _____

b. 7 – 0.35 = _____

Name _____ Date _____ # 11 Exit Tickets 5.1

1. Solve by drawing disks on a place value chart. Write an equation and express the product in standard form.

   4 copies of 3 tenths

2. Complete the area model, and then find the product.

   3 × 9.63

_____	_____	_____
3 x ____ ones	3 x ____ tenths	4 x _____ hundredths

Name _____ Date _____ # 12

1. Use estimation to choose the correct value for each expression.

a. 5.1 x 2	0.102	1.02	10.2	102
b. 4 x 8.93	3.572	35.72	357.2	3572

2. Estimate the answer for 7.13 x 6. Explain your reasoning using words, pictures or numbers.

1. Complete the sentences with the correct number of units and complete the equation.

a. 2 groups of_____ tenths is 1.8 1.8 ÷ 2 =_____

b. 4 groups of_____ hundredths is 0.32 0.32 ÷ 4 =_____

c. 7 groups of_____ thousandths is 0.021 0.021 ÷ 7 =_____

2. Complete the number sentence. Express the quotient in units and then in standard form.

a. 4.5 ÷ 5 =_____ tenths ÷ 5 = _____tenths =_____

b. 6.12 ÷ 6 = _____ones ÷ 6 + _____hundredths ÷ 6

= _____ones + _____hundredths

=_____

Name _____ Date _____ # 14

1. Draw number disks on the place value chart to solve. Show your steps using long division.

a. 5.372 ÷ 2 = _____

Ones	Tenths	Hundredths	Thousandths

$$2\overline{)5.372}$$

2. Solve using the standard algorithm. a. 0.178 ÷ 4 = _____

1. Draw number disks on the place value chart to solve, and show your steps using long division.

0.9 ÷ 4 = _____

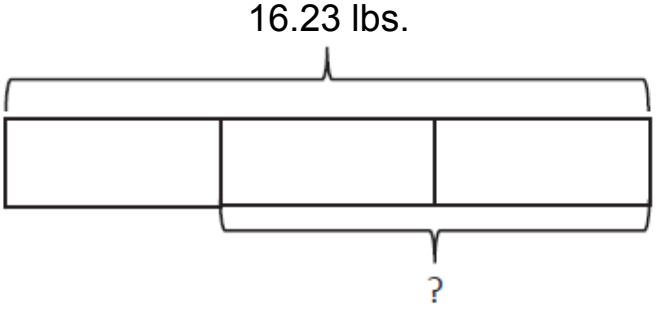
Ones	•	Tenths	Hundredths	Thousandths

$4\overline{)0.9}$

2. Solve using the standard algorithm. 9.8 ÷ 5 =

Write a word problem with two questions that matches the tape diagram below, then solve.

Weight of John's dog



Weight of Jim's dog