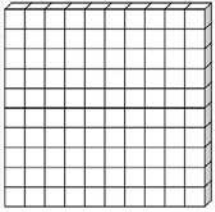


Name: _____
 Date: _____

Decimals with Base 10 Blocks



This flat is going to represent a whole.

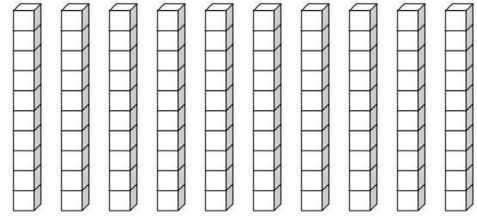
= 1



This rod is going to represent one-tenth. It is a portion of the whole, or **decimal**.

= 0.1

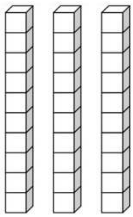
Ten-tenths make up a **whole**.



= 1.0

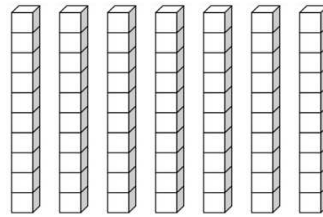
What decimal is represented? Write it in word and number form.

1.



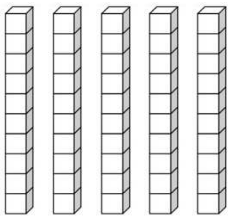
= _____
 = _____

4.



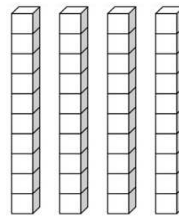
= _____
 = _____

2.



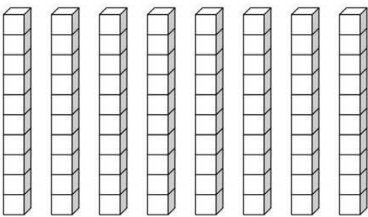
= _____
 = _____

5.



= _____
 = _____

3.



= _____
 = _____

6.



= _____
 = _____

Standard: A decimal is part of a whole.

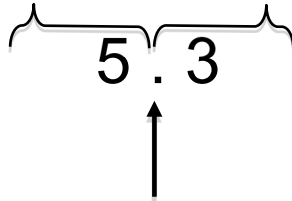
4.1.2.4

Name: _____
Date: _____

Intro to Decimals

Whole numbers are to the left of the decimal point.

A **decimal** is less than a whole. It is to the right of the **decimal point**.



A **decimal point** is represented by a period. In math we use the word “**and**” for a **decimal point**.

This decimal is “five and three tenths”.

Write the decimal in numbers.

1. three and eight tenths _____

2. four and seven tenths _____

3. five and nine tenths _____

4. seven and one tenth _____

5. six tenths _____

6. two and four tenths _____

7. five and three tenths _____

Write the decimal in words.

8. 4.5 _____

9. 0.6 _____

10. 7.2 _____

11. 6.3 _____

12. 3.9 _____

13. 0.8 _____

14. 1.4 _____

Standard: Decimals are a portion of a whole.

4.1.2.4

Name: _____
Date: _____

Place Value from Thousands to Thousandths

Answer the questions about place value.

1. _____ , _____ . _____

Put a 1 in the ones place.
Put a 3 in the tenths place.
Put a 7 in the thousands place.

Put a 2 in the hundreds place and tens place.
Put a 9 in the thousandths place.
Put a 0 in the hundredths place.

2. _____ , _____ . _____

Put a 5 in the hundredths place.
Put a 2 in the thousands place.
Put a 6 in the tens place.
Put a 7 in the hundreds place.

Put a 3 in the tenths place.
Put a 0 in the thousandths place.
Put a 1 in the ones place.

3. Place the following digits in the spaces to create the largest number possible.

4, 3, 2, 8, 9, 7, 4 _____ , _____ . _____

Name the digit for each place value:

Thousands: _____

Tenths: _____

Hundreds: _____

Hundredths: _____

Tens: _____

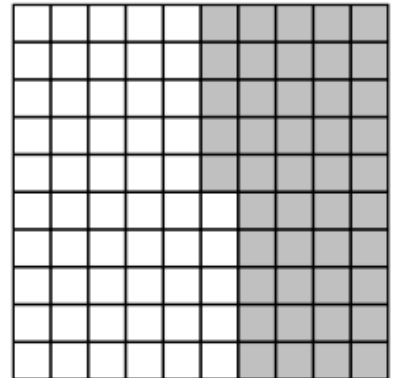
Thousandths: _____

Ones: _____

Name: _____
Date: _____

Understanding Decimals with Base 10 Blocks

Use the shaded area of the grid to answer the questions.



1. What decimal number is shown on the grid?
2. Write a decimal number that is less than the number on the grid?
3. Write a decimal number that is greater than the number on the grid?
4. What decimal number is not shaded?
5. Write decimal numbers in the blanks to make each of the number sentences true.

$$\underline{\quad\quad\quad} + \underline{\quad\quad\quad} = \underline{1.0}$$

$$\underline{\quad\quad\quad} + \underline{\quad\quad\quad} = \underline{1.0}$$

$$\underline{1.0} + \underline{\quad\quad\quad} = \underline{\quad\quad\quad}$$

$$\underline{1.0} + \underline{\quad\quad\quad} = \underline{\quad\quad\quad}$$

Standard: Compare decimals.

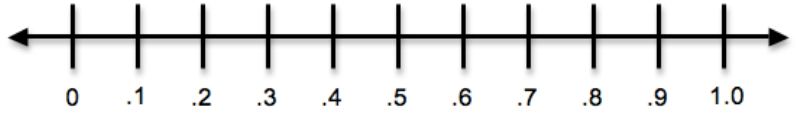
4.1.2.5

Name: _____
Date: _____

Decimals on a Number Line

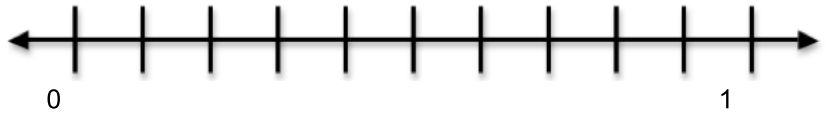
Label the number lines with the information given.

1. Put a dot on six tenths.
Draw an X on two tenths.
Circle nine tenths.



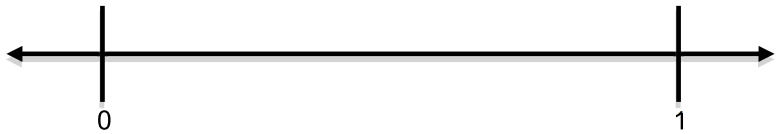
2. Put the decimals on the number line:

.75 .90 .17



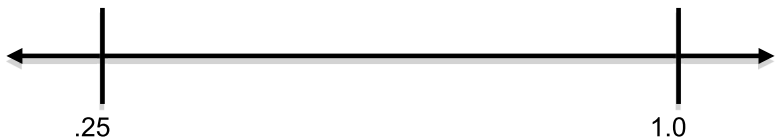
3. Put the decimals on the number line:

.40 .25 .80

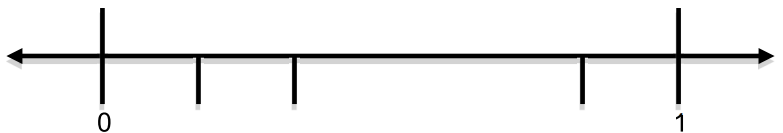


3. Put the decimals on the number line:

.40 .25 .80



4. Label the marks on the number line.
Estimate your answers.



Standard: Locate decimals on a number line.

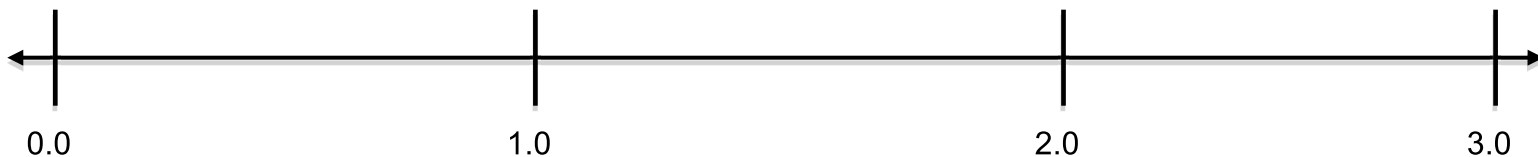
4.1.2.5

Name: _____

Date: _____

Ordering Decimals on a Number Line

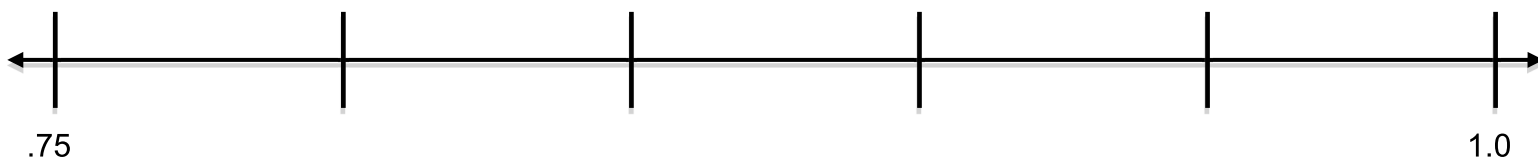
Label the number lines with the given decimals.



1. 2.7 1.2 0.9 2.5 1.25 0.30

2. Write the decimals in order from least to greatest.

_____, _____, _____, _____, _____, _____



3. .95 .83 .79 .90 .77 .88

4. Write the decimals in order from least to greatest.

_____, _____, _____, _____, _____, _____

Standard: Put decimals in order.

4.1.2.5

Name: _____
Date: _____

Rounding to the Nearest Tenth

42.63

Look to the right of the
place you are rounding to.

7.28

If it's a 0-4, you round down!

42.6



If it's a 5-9, you round up!

7.3

Round each number to the nearest **tenth**.

1. 14.32 _____

7. 52.87 _____

2. 61.89 _____

8. 17.23 _____

3. 411.63 _____

9. 836.85 _____

4. 5.77 _____

10. 4.34 _____

5. 286.05 _____

11. 913.60 _____

6. 922.61 _____

12. 738.16 _____

Standard: Rounding to the nearest tenth.

4.1.2.7

Name: _____

Date: _____

Rounding to the Nearest Tenth

Round to the nearest tenth.

1. 21.76 _____

1. 3.82 _____

2. 745.89 _____

2. 830.14 _____

3. 137.24 _____

3. 9,251.49 _____

4. 1,942.72 _____

4. 73.25 _____

5. 27, 531.58 _____

5. 0.276 _____

6. 284.61 _____

6. 423.33 _____

7. 13.217 _____

7. 48.292 _____

8. 42.982 _____

8. 515.769 _____

9. 37.70 _____

9. 1,136.21 _____

Standard: Round decimals to the nearest tenth.

4.1.2.7