

Helping With Math



- Decimals are numbers expressed with a decimal point.
- The number after the decimal point expresses a fraction of a whole number.







The shaded part is 75/100, which is represented by the decimal .75

- Decimals are based on the power of 10. Therefore, everytime you move to the right, the place value is divided by 10 (e.g. tenths, hundredths, thousandths and so on!).
- Tenths means 1/10, hundredths means 1/100, thousandths means 1/1000 and so on.





Just like whole numbers, decimal numbers can also be written in its standard from, word form, and expanded form.

a. STANDARD FORM



b. EXPANDED FORM (Write the numbers according to its place value



400 + 70 + 6 + 0.9 + 0.08



C. WORD FORM





One and six tenths

In its WORD FORM, **1.6** is written as one and six tenths.

- Read the number before the decimal point and write it as a whole number.
- Use **AND** to include the decimal point.
- Name the digit after the decimal point. Use "**th**" when writing the place value to specify that the number is part of a fraction (e.g., six tenths, seventeen hundredths).

Last month, Andre's car travelled (476.98) kilometers.



Four hundred seventy-six and ninety-eight hundredths



SAMPLE/APPLICATION

Study the figure below. Write the decimal notation in its standard form, word form, and expanded form.

Hannah visited St. Bernard for the holiday. She travelled with

her favorite van.







Standard form:

Word form:

Expanded Form:



TABLE OF ACTIVITIES

- 1. Cars
- 2. Unlock the motorcycle
- 3. Choo-choo train
- 4. Scuba Diving Time
- 5. Make Me a Boat
- 6. Jet Ski Parking Area
- 7. Up up snf sesy
- 8. Locate me
- 9. Make me a decimal notation
- 10. Mystery game





UNLOCK THE MOTORCYCLE

Clear the route by writing the decimals in word form.





MAKE ME A BOAT

Study the decimal numbers. Arrange the numbers from the least to the greatest to reveal the image.

4.10	5.29	4.23	5.08	4.06
				•
6				
		Lindersta	anding Decimal N	





JET SKI PARKING AREA

Study the pictures, then cut and paste them to their corresponding decimal notations.



UP-UP AND AWAY!

Study the item in each column and its place value. Write your answer in the appropriate box.

1

Ones	and	Tenths	Hundredths

2.

Ones	and	Tenths	Hundredths	Thousandths
		Understanding	Decimal Notati	on

UP-UP AND AWAY!



LOCATE ME

Locate in the number grid the decimal notation asked. Draw a line from zero (0) to the corresponding decimal number.















MAKE ME A DECIMAL NOTATION

Complete the table below by providing what is asked.

Standard form	Word form	Expanded form
0.84		
	Thirty-six and fifty-seven hundredths	
		0.9 +0.02 + 0.007
	Three and five hundred seventy-two thousandths	
		200 + 30 + 7 + 0.8 + 0.03
3.29		
	Ninety-nine and nine hundred ninety-nine thousandths	
77.343		
		800 + 60 + 9 + 0.4 + 0.02 + 0.001
645.231		





MYSTERY GAME

Answer the mystery number. Use the equivalent of each picture as a clue. Write your answer on the space provided.





I have $\stackrel{\bullet}{\longrightarrow}$ in the tenths place. I have $\stackrel{\bullet}{\longrightarrow}$ in the tens place. I have $\stackrel{\bullet}{\longrightarrow}$ in the hundredths place. I have in the ones place.

What decimal number am I?

6.

I have an in the hundredths place. I have in the tens place. I have in the ones place. I have in the tenths place.

What decimal number am I?

8.



ANSWER KEY

Activity 1	Activity 4
0.8 0.4 0.01 0.08 0.005	
Activity 2	
 Thirteen and forty-five hundredths Four and eight tenths Twelve and eight hundredths Thirty-nine and one thousandths One hundred and one hundred twenty-six thousandths 	

Activity 3

8 + 0.6 10 + 3 + 0.9 300 + 10 + 7 + 0.4 + 0.09 10 + 2 + 0.9 + 0.084 + 0.7 + 0.08 + 0.008

Activity 5

42.886 < 423.95 88.120 < 88.170 19.81 = 19.81 315.02 < 425.02 94.481 > 94. 381 1.109 < 1.219 0.95 = 0.95







Activity 7

- 1. 2.43
- 2. 0.604
- 3. 12.246
- 4. 312.308

Activity 8





Activity 9

Standard form	Word form	Expanded form	
0.84	Eighty-four hundredths	0.8 + 0.04	
36.57	Thirty-six and fifty-seven hundredths	30 +6 + 0.5 + 0.07	
0.927	Nine hundred twenty-seven thousandths	0.9 +0.02 + 0.007	
3.572	Three and five hundred seventy-two thousandths	3 + 0.5 + 0.07 + 0.002 $200 + 30 + 7 + 0.8 + 0.03$ $3 + 0.2 + 0.09$ $90 + 9 + 0.9 + 0.09 + 0.00$ $70 + 7 + 0.3 + 0.04 + 0.00$	
237.83	Two hundred thirty-seven and eighty- three hundredths		
3.29	Three and twenty-nine hundredths		
99.999	Ninety-nine and nine hundred ninety-nine thousandths		
77.343	Seventy-seven and three hundred forty-three thousandths		
869.421	Eight hundred sixty-nine and four hundred twenty one thousandths	800 + 60 + 9 + 0.4 + 0.02 + 0.001	
645.231	Six hundred forty-five and two hundred thirty-one thousandths	600 + 40 + 5 + 0.2 + 0.03 + 0.001	
	Activity 10	Ì	
	1. 59.41 2. 8.524 3. 8.13 4. 4.987 5. 41.36 6. 12.68 7. 95.24 8. 67.95		
		ecimal Notation	

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