

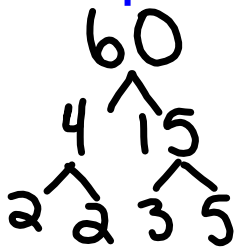
## Warm-up

- 1) List the factors AND first 5 multiples of 20

Factors  
1, 2, 4, 5, 10, 20

Multiples  
20, 40, 60, 80, 100

- 2) Find the prime numbers of 60 (factor tree)



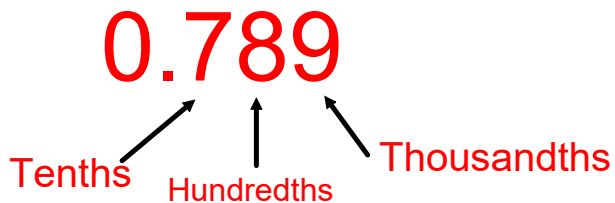
Prime factors  
2, 3, 5  
 $2 \times 2 \times 3 \times 5$

- 3) Write in standard form:  $600\,000 + 50\,000 + 800 + 7$

650 807

## Decimals

- The place value becomes smaller as we go to the right of the decimal.



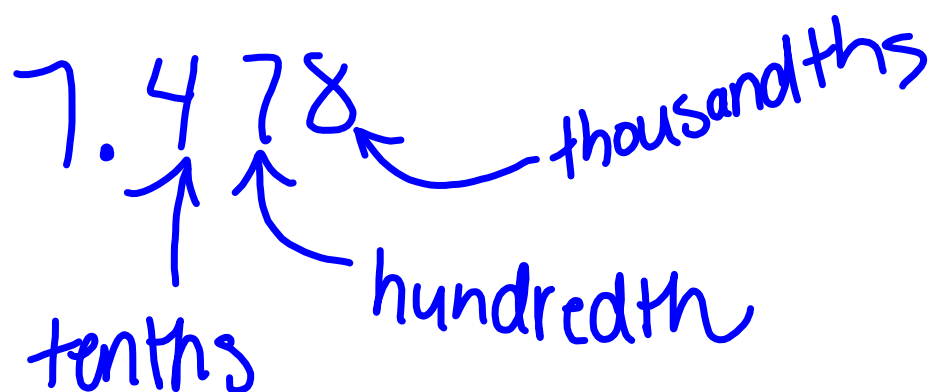
- We would read this decimal as "zero and seven hundred eighty nine thousandths"

7.478

tenths

hundredth

thousandths



Place these numbers in the place value chart:

- (a) 6.123 ✓
- (b) 100.23 ✓
- (c) 87.04
- (d) 0.987

Thousands	Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths
			6	.	1	2
	1	0	0	.	2	3
		8	7	.	0	4
			0	.	9	8
						7

Thousands	Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths

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1. Write the following in written form

a) 1.078    one and seventy eight thousandths

b) 0.9  
zero and nine tenths

c) 4.62  
four and sixty two hundredths

2. Write the following in standard form

a) eight and ninety three hundredths

b) one and six hundred thousandths

c) zero and four tenths

(a) 8.93

(b) 1.600

(c) 0.4

3. Write the following in expanded form (we will do the first one together)

a) 0.945789

$$0.9 + 0.04 + 0.005 + 0.0007 + 0.00008 + 0.00009$$

b) 0.056

$$0.05 + 0.006$$

c) 3.43

$$3.00 + 0.4 + 0.03$$

d) 10.171

$$10.000 + 0.1 + 0.07 + 0.001$$



4. Write each number in standard form.
- a) 8 and 26 ten-thousandths
  - b) 24 millionths
  - c) 3 hundred-thousandths
  - d) 4 and 374 millionths
5. Write each number in expanded form.
- a) 0.0056
  - b) 0.000 49
  - c) 3.000 023
  - d) 0.348 619
6. Write a decimal that is between:
- a) 2.153 and 2.154
  - b) 0.6534 and 0.6535

