

Homework:

Place Value and Terminating Decimals

4	2	1	6	7	5	0	9	8	3	2
Millions	hundred thousands	ten thousands	thousands	hundreds	tens	ones	tenths	hundredths	thousandths	ten thousandths

- Place value of 9: tenths Numerical Value: $\frac{9}{10}$.9
- ★ Place value of 2: hundred thousands Numerical Value: $\frac{200,000}{1}$
- Place value of 3: thousandths Numerical Value: $\frac{3}{1000}$.003
- Place value of 6: thousands Numerical Value: $\frac{6,000}{1}$
- Place value of 1: ten thousands Numerical Value: $\frac{10,000}{1}$
- Place value of 7: hundreds Numerical Value: $\frac{700}{1}$
- Place value of 5: tens Numerical Value: $\frac{50}{1}$
- Place value of 4: millions Numerical Value: $\frac{4,000,000}{1}$
- Place value of 0: ones Numerical Value: $\frac{0}{1}$
- ★ Place value of 2: ten thousandths Numerical Value: $\frac{2}{10000}$.0002
- Place value of 8: hundredths Numerical Value: $\frac{8}{100}$.08

★ may have in different order

State the place value and numerical value of the underlined digit:

<u>3</u> 25.0846	Place value: <u>hundreds</u>	Numerical Value: <u>300</u> $\frac{300}{1}$
325. <u>0</u> 846	Place value: <u>tenths</u>	Numerical Value: <u>$\frac{0}{10}$</u> .0
325.08 <u>4</u> 6	Place value: <u>thousandths</u>	Numerical Value: <u>$\frac{4}{1000}$</u> .004

Write each number in words and state the numerical value as a fraction.

0.1	Words: <u>one tenth</u>	Numerical (Fraction) Value: <u>$\frac{1}{10}$</u>
-83.09	Words: <u>negative eighty three and nine hundredths</u>	Numerical (Fraction) Value: <u>$-83\frac{9}{100}$</u>
-72	Words: <u>negative seventy two</u>	Numerical (Fraction) Value: <u>$-\frac{72}{1}$</u>
2.0718	Words: <u>two and seven hundred eighteen ten thousandths</u>	Numerical (Fraction) Value: <u>$2\frac{718}{10000}$</u>

Write each decimal as a fraction in simplest form.

6.215 $6\frac{215}{1000} \div 5$ $6\frac{43}{200}$	17.08 $17\frac{8}{100} \div 4$ $17\frac{2}{25}$	-3.19 $-3\frac{19}{100}$
9.75 $9\frac{75}{100} \div 25$ $9\frac{3}{4}$	116.024 $116\frac{24}{1000} \div 8$ $116\frac{3}{125}$	-7.2 $-7\frac{2}{10}$ $-7\frac{1}{5}$
2.121 $2\frac{121}{1000}$	-0.66 $-\frac{66}{100} \div 2$ $-\frac{33}{50}$	0.015 $\frac{15}{1000} \div 5$ $\frac{3}{200}$