

Place Value

1. Write the place value for each digit in words.

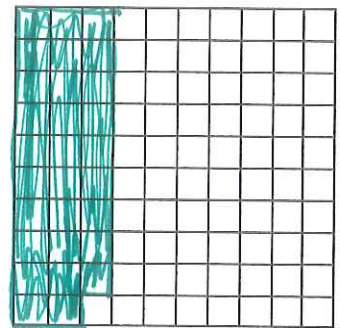
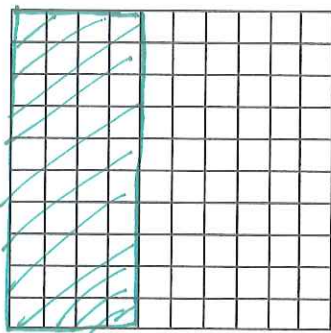
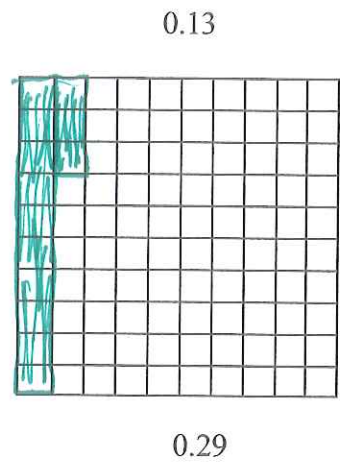
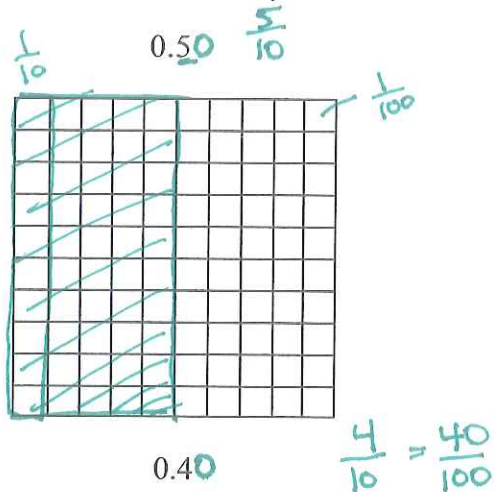
millions	hundred-thousands	ten-thousands	thousands	hundreds	tens	ones	.	tenths	hundredths	thousandths	ten-thousandths	hundred-thousandths	millionths
7	6	5	4	3	2	1	.	1	2	3	4	5	6

$\frac{1}{10}$ $\frac{1}{100}$ $\frac{1}{1000}$

2. Complete the Table. The place value name is the equivalent fraction.

Decimal	Place Value Name	Fraction
0. <u>1</u>	One tenth	$\frac{1}{10}$
0. <u>24</u>	Twenty-four hundredths	$\frac{24}{100} = \frac{6}{25}$
0. <u>5</u>	Five tenths	$\frac{5}{10} = \frac{1}{2}$
12. <u>005</u>	Twelve and five thousandths	$12 \frac{5}{1000} = 12 \frac{1}{200}$
0. <u>024</u>	Twenty-four thousandths	$\frac{24}{1000} = \frac{12}{500} = \frac{6}{250} = \frac{3}{125}$
2.012		
1.05		

3. Shade an area to represent each decimal. Then write the equivalent fraction.



4. List the decimals from smallest to largest

- | | |
|------------------|-----------------------|
| 0.1, 1.1, 0.01 | <u>.01, .10, 1.10</u> |
| 0.05, 0.5, 0.55 | <u>.05, .50, .55</u> |
| 0.13, 0.09, 1.2 | <u>.09, .13, 1.20</u> |
| 0.24, 0.03, 0.07 | <u>.03, .07, .24</u> |

5. The top six finishers in the women's individual all-around gymnastic competition in the Beijing Olympic Games are shown below in alphabetical order. If the highest score wins, which gymnasts won gold (1st place), silver (2nd place), and bronze (3rd place)?

Name	Nation	Score
Yuyuan Jiang	China	60.900
Shawn Johnson	U.S.A.	62.725 ← 2nd
Nastia Liukin	U.S.A.	63.325 ← 1st
Steliana Nistor	Romania	61.050
Ksenia Semenova	Russia	61.925
Yilin Yang	China	62.650 ← 3rd

6. Place a < or > symbol in the box to make a true statement.

a. $0.5 \boxed{<} 0.55$
.50 .55

b. $0.1 \boxed{>} 0.01$

c. $7.22 \boxed{>} 7.19$

d. $6.60 \boxed{<} 6.601$

e. $0.05 \boxed{>} 0.005$

f. $2.9432 \boxed{<} 2.9433$

Standard and Abbreviated Form

7. Write the following in standard form (as a number).

a. 12.5 million 12,500,000

b. 1.33 billion 1,330,000,000
↑ ↑

8. Write in abbreviated form (as in #7).

a. 2,600,000,000 2.6 billion

b. 18,400,000 18.4 million
↑ ↑

Rounding

9. Round 126.3918 to the nearest:

Tenth: 126.4

Whole number: 126

Hundred: 100

Thousandth: 126.392

10. Round 5,591.52199 to the nearest:

Tenth: 5,591.5

Whole number: 5,592

Hundred: 5,600

Ten-thousandth: 5,591.5220
↑

11. The metric system is widely used in science to measure length (meters), weight (grams), and capacity (liters). Round each decimal to the nearest hundredth.

1 foot is 0.3048 meters. .30

1 mile is 1,609.344 meters. 1,609.34

1 pound is 453.59237 grams. 453.59

1 gallon is 3.785306 liters. 3.79

12. Round each dollar amount to the nearest cent. (hundredths)

\$35,673.732 \$35,673.73

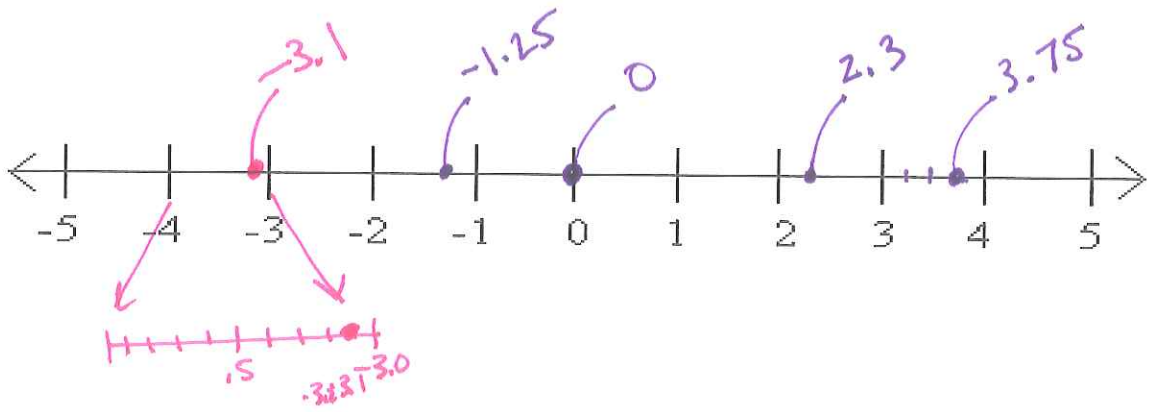
\$7,134.296 \$7,134.30

gas $2.63\frac{9}{10}$
2.639

cents

13. Graph the following numbers on a number line

a. -3.1, -1.25, 0, 2.3, 3.75



b. 1.4, -1.9, 0.6, -3.1, -0.1

