

Solve each problem.

$$5.47 \times 10^4$$

This is the same as saying:

$$5.47 \times (10 \times 10 \times 10 \times 10)$$

And because the base is 10 you can just move the decimal 4 places to the right to solve.

$$\underline{\underline{54700.}}$$

$$5.47 \times 10^4 = 54,700$$

$$2.36 \div 10^2$$

Division is the same way. Only instead of moving the decimal right, you move it left.

$$\underline{\underline{.0236}}$$

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_
11. \_\_\_\_\_
12. \_\_\_\_\_
13. \_\_\_\_\_
14. \_\_\_\_\_
15. \_\_\_\_\_
16. \_\_\_\_\_
17. \_\_\_\_\_
18. \_\_\_\_\_
19. \_\_\_\_\_
20. \_\_\_\_\_

1)  $7.1 \div 10^3$

2)  $8.143 \times 10^3$

3)  $965.74 \div 10^2$

4)  $321.1 \times 10^2$

5)  $463.8 \div 10^1$

6)  $685.438 \times 10^3$

7)  $957.95 \div 10^1$

8)  $956.72 \times 10^1$

9)  $2.716 \div 10^1$

10)  $1.3 \times 10^3$

11)  $24.6 \div 10^3$

12)  $35.29 \times 10^4$

13)  $8.5 \div 10^2$

14)  $875.5 \times 10^2$

15)  $84.1 \div 10^2$

16)  $49.6 \times 10^2$

17)  $7.4 \div 10^2$

18)  $521.9 \times 10^3$

19)  $915.316 \div 10^2$

20)  $5.7 \times 10^4$

# Compare the Decimals

*Choose 2 or  
columns to  
complete*

Write  $>$ ,  $<$ , or  $=$  in each  $\bigcirc$ .

A.  $6.5 \bigcirc 6.4$

$0.95 \bigcirc 0.96$

$7.40 \bigcirc 7.4$

B.  $0.86 \bigcirc 0.859$

$9.02 \bigcirc 9.20$

$8.51 \bigcirc 8.5$

C.  $12.6 \bigcirc 1.26$

$6.18 \bigcirc 6.20$

$0.03 \bigcirc 0.3$

D.  $1.863 \bigcirc 1.862$

$4.32 \bigcirc 4.23$

$5.2 \bigcirc 5.1999$

E.  $3.046 \bigcirc 3.406$

$7.419 \bigcirc 6.42$

$45.3 \bigcirc 45.28$

F.  $45.3 \bigcirc 45.28$

$14.602 \bigcirc 14.62$

$1.1406 \bigcirc 1.146$

G.  $82.9 \bigcirc 83.0$

$11.060 \bigcirc 11.06$

$3.064 \bigcirc 3.064$

H.  $0.523 \bigcirc 0.530$

$12.0 \bigcirc 11.91$

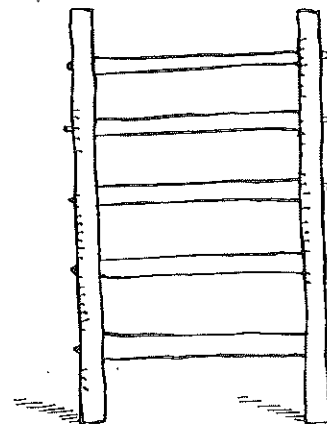
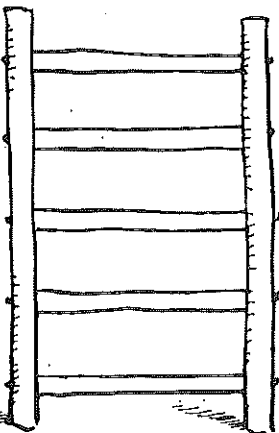
$1.351 \bigcirc 13.51$

Write the decimals from the least to the greatest on the ladders. Start at the bottom.

8.357, 8.35, 8.361, 8.36

*DO*  
← →

12.310, 12.301, 12.013, 12.130



Name \_\_\_\_\_

# Round 'Em Up or Round 'Em Down

Round each decimal to the nearest whole number.

A.	5.39	43.27	16.892	49.49	635.6
	_____	_____	_____	_____	_____
B.	68.347	7.689	50.8	39.579	99.83
	_____	_____	_____	_____	_____
C.	81.98	51.508	79.689	29.92	21.03
	_____	_____	_____	_____	_____

Round each decimal to the nearest tenth.

D.	57.16	17.753	3.479	706.38	3.089
	_____	_____	_____	_____	_____
E.	38.891	645.091	2.108	14.075	346.788
	_____	_____	_____	_____	_____
F.	0.085	3.1974	14.314	29.987	142.369
	_____	_____	_____	_____	_____

Round each decimal to the nearest hundredth.

G.	4.468	3.761	4.689	78.624	14.075
	_____	_____	_____	_____	_____
H.	736.788	51.609	115.077		
	_____	_____	_____		
I.	38.997	48.484	6.3942		
	_____	_____	_____		





# Decimal Description

Read each paragraph below. Write the decimal that is described. Each decimal is less than 1. None of the decimals have values that go beyond the thousandths place (such as ten-thousandths).

1. I am a decimal with a value in the thousandths place. In my tenths place, you'll find a digit one less than the digit in my hundredths place and three less than my other digit. My last digit is a 3. What decimal am I?  
\_\_\_\_\_
2. You could write me using three decimal places, but you only need two. Find the sum of 1 and 3 and you have my tenths digit. My hundredths digit is twice my tenths digit. What decimal am I?  
\_\_\_\_\_
3. My digits are 4, 7, and 9 in some order. My hundredths digit is greater than either of my other digits. I am greater than 0.4 but less than 0.7. What decimal am I?  
\_\_\_\_\_
4. I have three decimal places. You can model me by shading 56 squares on a 10 by 10 grid. What decimal am I?  
\_\_\_\_\_
5. Write my name in word form, and you'll see the word thirty-three. In my tenths place, you'll find a zero. What decimal am I?  
\_\_\_\_\_
6. All my digits are even numbers greater than 2. My thousandths digit is 2 more than my tenths digit and 4 more than my hundredths digit. What decimal am I?  
\_\_\_\_\_
7. Find the product of 3 and 2 and you have my hundredths digit. This number is the same as my thousandths digit but 5 more than my tenths digit. What decimal am I?  
\_\_\_\_\_
8. My digits are in order from least to greatest. My tenths digit is a 2. My thousandths digit is a 5. What decimals could I be?  
\_\_\_\_\_