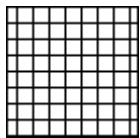


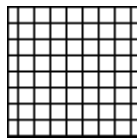
Name \_\_\_\_\_

Date \_\_\_\_\_

Use the grids below to show these numbers.



1. 0.9



2. 0.72

Practice saying each number with your partner. Then fill out the chart below.

Number	Thousands	Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths
0.36	-----	-----	-----	-----			-----
2,734.45							-----
3.038	-----	-----	-----				
39.060	-----	-----					
970.32	-----						-----

Write each decimal in word form. Write each word in decimal form.

3. 0.6 \_\_\_\_\_ .

4. thirty-six and five thousandths \_\_\_\_\_ .

5. 4.87 \_\_\_\_\_ .

6. 0.534 \_\_\_\_\_ .

7. nine and nine hundredths \_\_\_\_\_ .

8. one and thirty-six hundredths \_\_\_\_\_ .

Write > or < to compare each pair of decimal numbers.

9. 57.02 \_\_\_\_\_ 57.006

14. 0.642 \_\_\_\_\_ 0.637

10. 6.81 \_\_\_\_\_ 6.809

15. 1.14 \_\_\_\_\_ 1.41

11. 0.19 \_\_\_\_\_ 0.92

16. 32.07 \_\_\_\_\_ 32.009

12. 0.023 \_\_\_\_\_ 0.213

17. 3.123 \_\_\_\_\_ 3.213

13. 3.030 \_\_\_\_\_ 3.003

18. 2.799 \_\_\_\_\_ 2.789

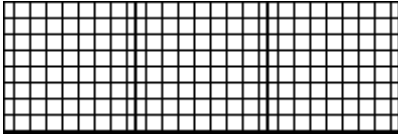
Name \_\_\_\_\_

Date \_\_\_\_\_

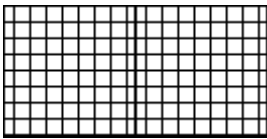
## Exploring and Comparing Decimals

Write a decimal to match the shaded part of each set of grids.

1.

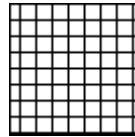
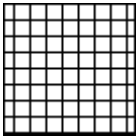


2.



Insert a  $>$ ,  $<$  or  $=$  sign to complete the following equations.

3.



4.  $0.008$  \_\_\_\_\_  $0.07$

5.  $0.027$  \_\_\_\_\_  $0.270$

6.  $1.4$  \_\_\_\_\_  $1.40$

7.  $7.5$  \_\_\_\_\_  $7.455$

8.  $2.72$  \_\_\_\_\_  $2.81$

9.  $5.17$  \_\_\_\_\_  $5.137$

10.  $821.06$  \_\_\_\_\_  $821.016$

11. Digital Deals, Inc. includes 0.466 gigahertz, 0.550 gigahertz, 0.486 gigahertz, and 0.460 gigahertz in their new line of computer processing speeds. Arrange them from fastest to slowest.

\_\_\_\_\_

12. If a competitor, Cyber Speeds, develops a computer processing speed of 0.483 gigahertz, between which two of Digital Deals speeds will it belong? \_\_\_\_\_

Name \_\_\_\_\_

Date \_\_\_\_\_

## Winning Decimals

To qualify for NASCAR's Daytona 500, car racers must achieve an average speed of 171.6 miles per hour. Below are the results of a qualifying race.

Racer	Average Speed (Miles Per Hour)	Racer	Average Speed (Miles Per Hour)
Bobby Labonte	180.342	Tony Stewart	176.901
Ward Burton	173.712	Ricky Rudd	172.124
Dale Jarrett	172.224	Mark Martin	180.348
Dale Earnhardt	181.159	Rusty Wallace	171.599
Sterling Marlin	171.066	Jeff Gordon	173.756

1. Which racers did not qualify? \_\_\_\_\_
2. Who was faster, Dale Jarrett or Ricky Rudd? \_\_\_\_\_
3. Who was faster, Ward Burton or Jeff Gordon? \_\_\_\_\_
4. Assuming the racers maintained these average speeds in the actual race, who would come in first, second, and third place? \_\_\_\_\_
5. How many thousandths of a mile per hour faster did Rusty Wallace need to drive in order to qualify? \_\_\_\_\_
6. Who should come in fourth? \_\_\_\_\_
7. Of the qualifiers, who should come in last place? \_\_\_\_\_
8. How many tenths of a mile an hour did Ricky Rudd need to increase his speed in order to match Dale Jarrett's speed? \_\_\_\_\_
9. How many thousandths of a mile per hour did Bobby Labonte need to increase his speed in order to match Mark Martin's speed? \_\_\_\_\_
10. If next year's race officials decide to raise the qualifying speed to 172.2, which speeds above will not qualify? \_\_\_\_\_

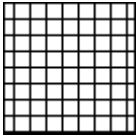
Name \_\_\_\_\_

Date \_\_\_\_\_

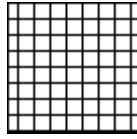
## Understanding Decimal Place Value Practice

Use the grids provided to show each number.

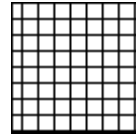
1. 0.05



2. 0.23



3. 0.77



Write each number in decimal form.

4. six thousandths \_\_\_\_\_

5. six and six tenths \_\_\_\_\_

6. six hundredths \_\_\_\_\_

7. sixty hundredths \_\_\_\_\_

8. six tenths \_\_\_\_\_

9. six and six thousandths \_\_\_\_\_

Compare the following decimal pairs using  $>$  and  $<$  signs.

10. 0.091 \_\_\_\_\_ 0.019

11. 2.374 \_\_\_\_\_ 2.293

12. 5.013 \_\_\_\_\_ 5.130

13. 0.051 \_\_\_\_\_ 0.150

Order the following series from least to greatest.

14. 0.06, 6, 600, 0.6 \_\_\_\_\_

15. 3.9, 3.214, 4.1, 3.3, 3.89 \_\_\_\_\_

16. 8, 819.0, 8.019, 809, 8.19 \_\_\_\_\_

17. 7.51, 7.402, 7.559, 7.55, 7.45 \_\_\_\_\_

**Challenge** Make as many decimal numbers as possible using a decimal point and each of the digits 4, 6, and 0 only once. Arrange the numbers you made from least to greatest.

