

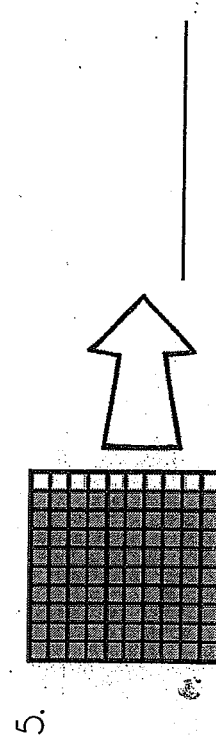
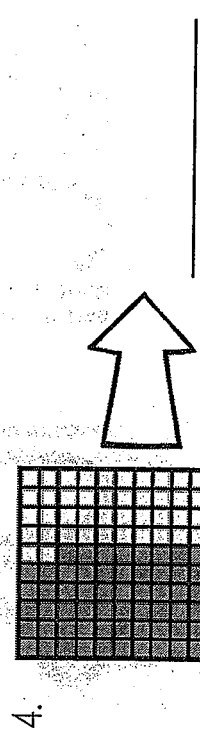
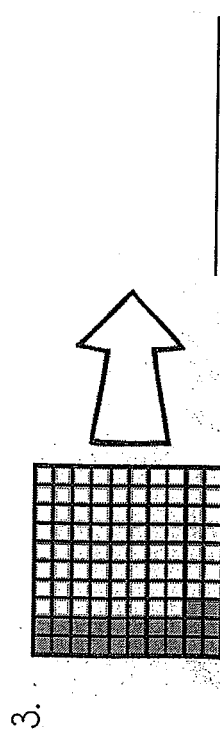
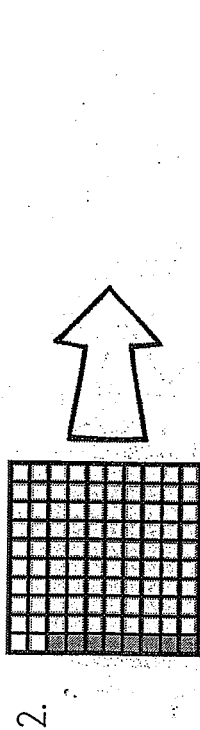
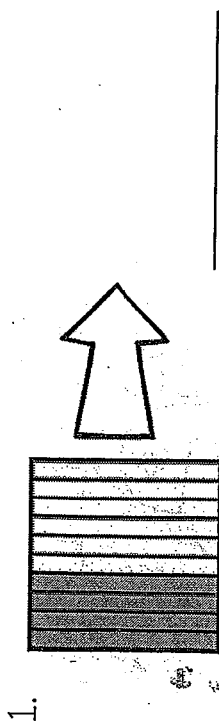
MATH REVIEW BOOKLET

Decimals

Name: _____

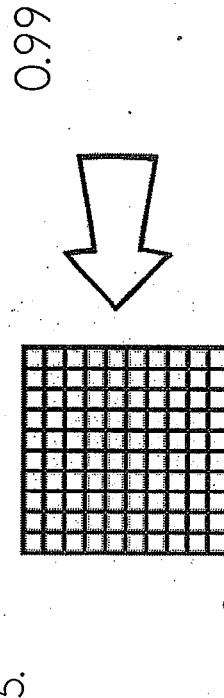
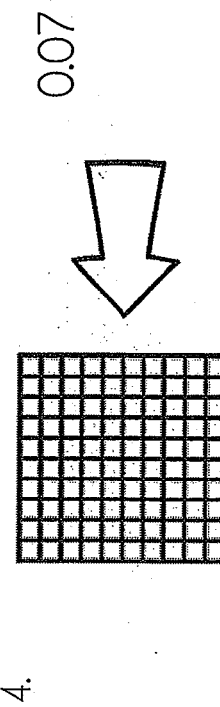
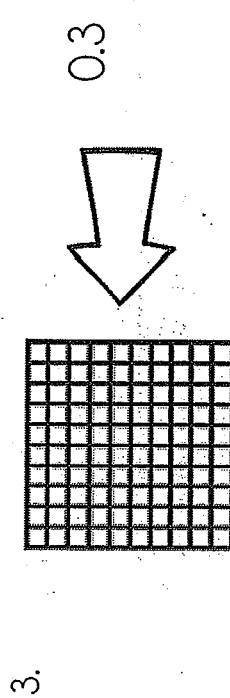
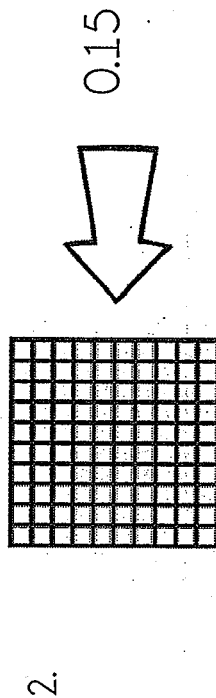
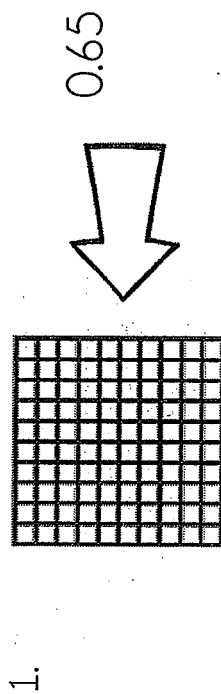
Date: _____

Write the decimal represented by the model.



1

Shade the model to represent the given decimal.



2

Determine the place value of the underlined digit.

1.) 3,563,212 _____

2.) 475,693,004 _____

3.) 798.6 _____

4.) 2,458,632,59 _____

5.) 0.231 _____

6.) 63,005,012 _____

7.) 985,074,231 _____

Follow the directions to answer the questions about place value.

1. What digit is in the tenths place in the number 789.652?

2. What digit is in the millions place in 786,593,253.12?

3. What number is in the hundredths place in 3,523,156.275?

4. What number is in the ten-thousands place in 1,746,321.009?

5. What number is in the thousandths place in 14.096?

6. What number is in the hundred-thousands place in 986,253.213?

Using the given clues, write the decimal described.

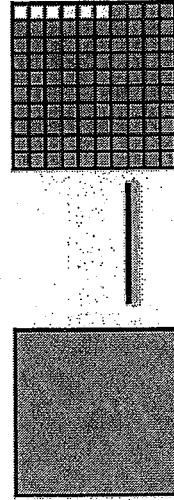
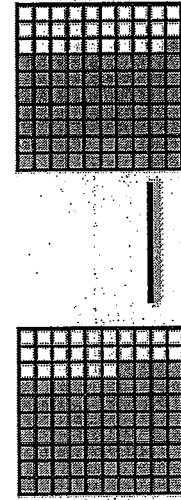
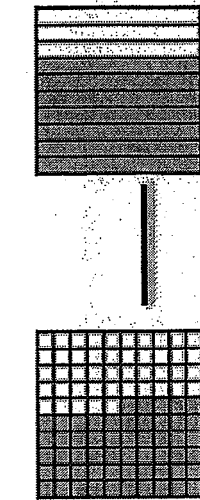
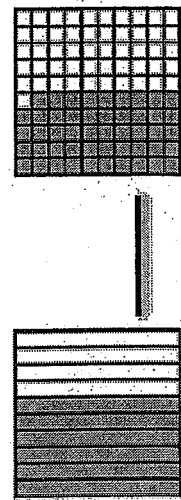
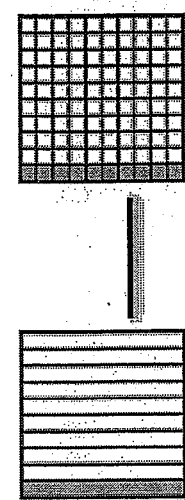
1. I have an 8 in the thousands place, a 6 in the tenths places, a 3 in the ones place, a 5 in the hundredths place, and a 4 in the tens place. What number am I?

2. I have a 7 in the thousandths place, a 3 in the tens place, a 4 in the hundredths place, a 6 in the hundred-thousands place. What number am I?

3. I have a 4 in the ones place, a six in the thousandths place, and a five in the tenths place. What number am I?

4. Write your own "What Number am I?" question for this number: 4,056.009

Use the models to compare the decimals using $<$, $>$ or $=$.



Compare the decimals using $<$, $>$, or $=$. Explain your reasoning in the space below.

1.) 52.963 _____ 53

2.) 6.79 _____ 6.7

3.) 52.9632 _____ 52.9633

4.) 0.68 _____ 0.7

5.) 638.956 _____ 638.100

6.) 0.563 _____ 0.5

7.) 98.756 _____ 99

Order the numbers from least to greatest.

1.) $0.79, 0.8, 0.63, 0.6$ _____

2.) $1.3, 2.6, 1.523, 1.321$ _____

3.) $38.9, 37.1, 38, 35.23,$ _____

Order the numbers from greatest to least.

4.) $0.95, 0.92, 1, 0.9$ _____

5.) $6.3, 6.25, 6.4, 6.459$ _____

6.) $101.2, 101.002, 102, 101.3$ _____

Round the number to the underlined place value.

1.) 16,789,39 _____

2.) 789,963,25 _____

3.) 8,99 _____

Round the number to the given place value.

4.) Round to the tenths place: 378.349

5.) Round to the hundred- thousands place:
1,789,526.39 _____

6.) Round to the hundredths place: 6,578.925

Write the numbers in word form.

1.) 14,563.98

2.) 0.007

3.) 1,786,523.965

4.) 596.012

5.) 99,001.108

Write the numbers in number form.

1.) Thirty-two thousand, six hundred seven and three hundred one thousandths

2.) five hundred one thousandths

3.) seven hundred nine thousand, eighty two and three hundredths

4.) one million, four hundred sixty-two thousand, three and five tenths

5.) four hundredths

6.) one and seventy-two thousandths

7.) fifteen thousand, twelve and one hundred one thousandths

Write the numbers in expanded form.

1.) 786.459

2.) 1.503

3.) 0.689

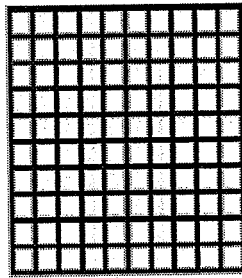
4.) 894,401.026

Write the numbers in number form.

5.) $(6 \times 100) + (4 \times 1) + (3 \times 1/10) + (9 \times 1/1000)$

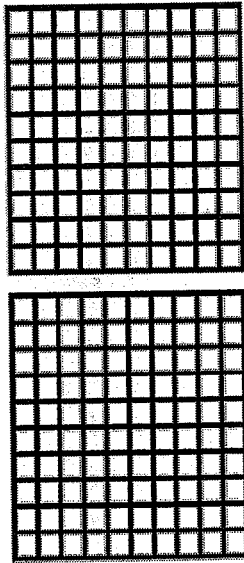
6.) $(2 \times 10,000) + (4 \times 1,000) + (8 \times 10) + (4 \times 1) + (6 \times 1/100)$

Use the models to solve the addition problems.



1.) $0.68 + 0.2 =$

2.) $1.05 + 0.9 =$



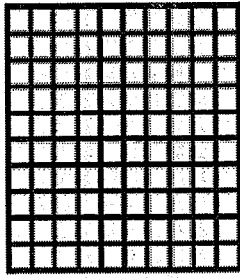
Solve the addition problems..

3.) $3.4 + 0.98 =$

4.) $0.64 + 0.03 =$

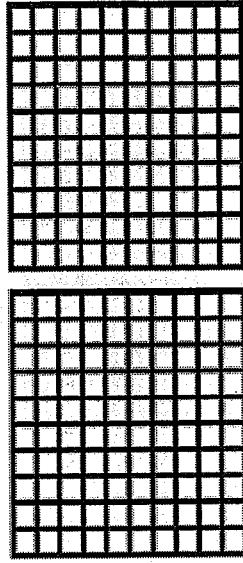
5.) $15.97 + 68.4 =$

Use the models to solve the subtraction problems.



1.) $0.9 - 0.68 =$

2.) $1.3 - 0.59 =$



Solve the subtraction problems..

3.) $6 - 0.36 =$

4.) $6.4 - 3.98 =$

5.) $184.5 - 3.33 =$

Solve. Show all of your work.

1. Ms. McMath bought two packages of hamburger meat this past weekend. One package weighed 3.4 pounds, and the other package weighed 0.9 of a pound more than the first package. What was the weight of the second package?

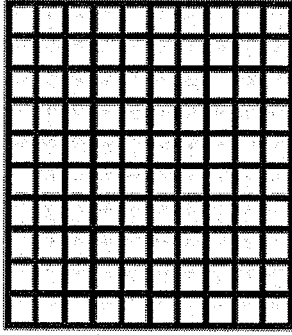
2. Two friends jog each morning around the block where they live. Ms. Sampson jogs 1.4 miles each day, while Mrs. Webb jogs 0.75 miles each day. How much more does Ms. Sampson jog than Mrs. Webb?

3. Marcus measured two worms for a science project. One worm measured 4.12 inches, and the other worm measured 2.86 inches. What was the difference between the two lengths?

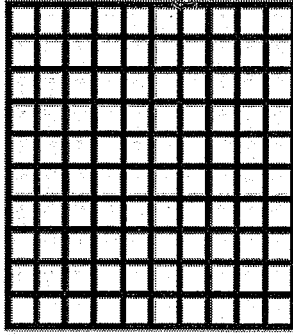
4. Jacob went to the store with his allowance money. He had \$15.98. He spent \$4.78 on a new book and \$1.15 on a bottle of Gatorade. How much money does Jacob have left?

Use the models to solve the multiplication problems.

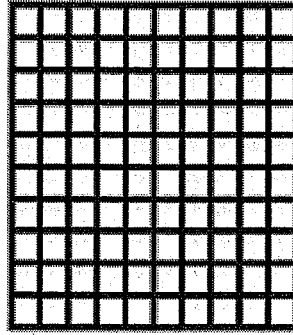
1.) $0.3 \times 0.4 =$



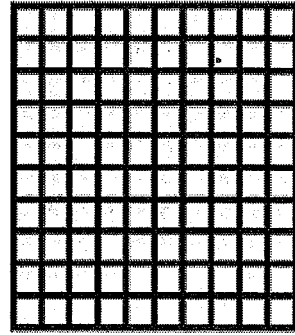
2.) $0.5 \times 0.6 =$



3.) $4 \times 0.16 =$



4.) $12 \times 0.08 =$



Solve the multiplication problems.

1.) $1.9 \times 0.8 =$

2.) $2.5 \times 2.14 =$

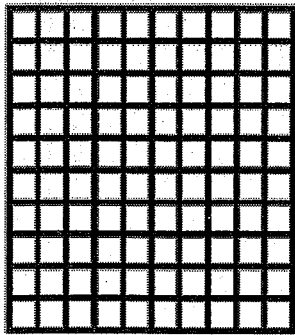
3.) $6 \times 0.45 =$

4.) $3.45 \times 2.15 =$

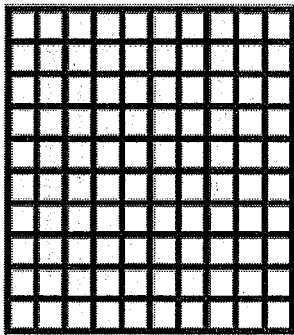
5.) $18.4 \times 0.26 =$

Use the models to solve the division problems.

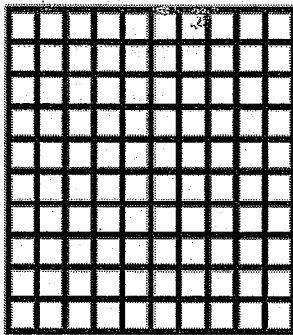
1.) $0.68 \div 2 =$



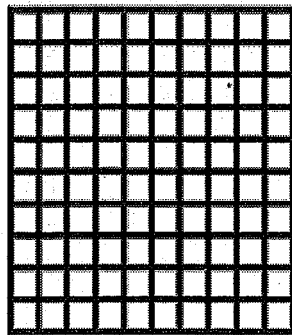
2.) $0.45 \div 5 =$



3.) $0.36 \div 0.18 =$



4.) $0.24 \div 0.12 =$



Solve the division problems.

1.) $0.95 \div 0.5 =$

2.) $6.2 \div 2 =$

3.) $3.6 \div 0.06 =$

4.) $6.15 \div 3 =$

5.) $0.42 \div 0.7 =$

Solve. Show all of your work.

1. A man gets paid by the hour for the work he completes. He is paid \$8.5 per hour. How much will the man earn for a job that lasts 2.7 hours?

2. Shelly buys a new CD. The length of the total CD is 20.7 minutes. The CD contains 6 songs, and all of the songs are an equal length of time. How many minutes long is each song?

3. Jim's mom bought 3.5 pounds of apples. Each pound of apples cost \$0.90. How much did Jim's mom spend on the apples?

4. An athlete ran for a total of 24.5 miles in seven days. He ran the same amount each day. How long did he run each day?

Solve. Show all of your work.

1. Marlene bought eight bouquets of flowers last month. Each bouquet cost \$8.45. How much money did Marlene spend on all the bouquets?

2. Some friends are enjoying a dinner and movie out. They spend 2.6 hours watching the movie and 1.45 hours eating at their favorite restaurant. How long did they spend watching the movie and having dinner combined?

3. A soil distributing company is getting ready for a shipment of soil. The company has 0.65 of a ton of soil to distribute equally among 5 containers. How much soil will be in each container?

4. Jacie jogs before work three days a week. On Monday, she jogs 1.5 miles, on Wednesday, she jogs 0.95 miles, and on Thursday, she jogs 2.05 miles. How many miles does she jog in all?

Compare the values of the underlined digits by completing the statements.

1.) A. 15.986 B. 345.796

The value of the 9 in the number labeled _____ is 1/10 the value of the 9 in the number labeled _____.

2.) A. 786.52 B. 9,63.008

The value of the 6 in the number labeled _____ is ~~10~~¹ times larger than the 6 in the number labeled _____.

3.) A. 4,257.36 B. 968,003.12

The value of the 3 in the number labeled _____ is 1/10 the value of the 3 in the number labeled _____.

4.) A. 0.152 B. 0.312

The value of the 1 in the number labeled _____ is 10 times larger than the 1 in the number labeled _____.

Solve each set of problems.

1.)

$$\begin{aligned} 6.89 \times 10 &= \underline{\hspace{2cm}} \\ 6.89 \times 100 &= \underline{\hspace{2cm}} \\ 6.89 \times 1,000 &= \underline{\hspace{2cm}} \\ 6.89 \times 10,000 &= \underline{\hspace{2cm}} \end{aligned}$$

2.)

$$\begin{aligned} 156.2 \div 10 &= \underline{\hspace{2cm}} \\ 156.2 \div 100 &= \underline{\hspace{2cm}} \\ 156.2 \div 1,000 &= \underline{\hspace{2cm}} \\ 156.2 \div 10,000 &= \underline{\hspace{2cm}} \end{aligned}$$

3.)

$$\begin{aligned} 0.052 \times 10^1 &= \underline{\hspace{2cm}} \\ 0.052 \times 10^2 &= \underline{\hspace{2cm}} \\ 0.052 \times 10^3 &= \underline{\hspace{2cm}} \\ 0.052 \times 10^4 &= \underline{\hspace{2cm}} \end{aligned}$$

4.)

$$\begin{aligned} 73,698 \div 10^1 &= \underline{\hspace{2cm}} \\ 73,698 \div 10^2 &= \underline{\hspace{2cm}} \\ 73,698 \div 10^3 &= \underline{\hspace{2cm}} \\ 73,698 \div 10^4 &= \underline{\hspace{2cm}} \end{aligned}$$