

Name Answer Key Date \_\_\_\_\_

Mid-Module 1 STUDY GUIDE

1 a. Arrange the following numbers in order from least to greatest:

703,073      3,370      707,037      33,700

3,370      33,700      703,073      707,073

b. Use the words *ten times* to tell how you ordered the two smallest numbers using words, pictures, or numbers.

Hund. Th	Ten Th	Th	H	T	O
		3	3	7	0
	3	3	7	0	0

*(Note: Arrows in the original image point from the top row to the bottom row, indicating that the bottom row is ten times the top row.)*

33,700 is ten times as much as 3,370

1. Compare using >, <, or =. Write your answer inside the circle.

a. 1 ten thousand  
10,000

⊗

1,000

b. 600 thousands 3 ten  
600,030

⊗

603,000

c. 5 hundreds + 6 thousands + 21 ones  
6,521

⊗

6 thousands + 4 hundreds  
6,400

d. 1,000,000

⊕

10 hundred thousand

M	Th	T	H	T	O
1	0	0	0	0	0

*(Note: The first column is shaded in the original image.)*

1,000,000

2. Fortnite currently has 3,329,104 children under the age of 16 playing in the United States. What is the value of the 2 in the number 3,329,104?

a. 2 thousand

b. 2 ten thousands

c. 2 hundred thousands

d. 2 million

M	Th	Th	H	T	O
3	3	2	9	1	0
		20	0	0	0

3. Mr. Wolfe's new car had 9,168 miles on it when he bought it.

a. His old car had approximately ten times the amount of miles as his new car. How many miles were on his old car? Use a model to show your work.

Hund Th.	Ten Th.	Th	H	T	O
9	1	6	8		
90	10	60	80		

Write your answer in a sentence: His old car had 91,680  
because that is 10 times as many as 9,168

b. Write the miles for Mr. Wolfe's new car in words and in expanded form.

Word form: ~~Nine thousand, one hundred sixty-eight~~  
Nine thousand, one hundred sixty-eight

Expanded Form: ~~9,000 + 100 + 60 + 8~~  
9,000 + 100 + 60 + 8

c. Round the miles on Mr. Wolfe's new car to the nearest thousand and to the nearest hundred. Draw a vertical number line if you want.

#1 number line (thousand)

9,168

9,000

(Rounded answer)

#2 number line (hundred)

9,168  
9,200

9,200

(Rounded answer)

4. The iPhones and Androids and monthly selling rates are listed below.

iPhone: five hundred fifty thousand, eight

550,008

Android: five hundred five thousand, eighteen

505,018

Part 1: Write the selling rate of each brand in standard form.

iPhone: 550,008

Androids: 505,018

Part 2: Which inequality correctly compares the two kinds of phones?

a.  $505,008 > 550,018$

b.  $550,008 > 500,108$

c.  $550,008 > 505,018$

d.  $505,080 > 550,080$

5. When rounded to the nearest ten thousand, Brian's high score on the basketball arcade game is 170,000 points. Circle the answer that could be Brian's actual high score. Please show your work to prove your answer by writing each number in standard form on the line.

a. Fourteen thousand, five hundred forty-five. 14,545

b. One hundred fifteen thousand, three hundred twenty-one 115,321

c. One hundred sixty-nine thousand, five hundred thirty-four ~~169,534~~

d. One hundred fifty-seven thousand, nine hundred twenty-three

157,923

169,534  
10,000

6. This number was rounded to the nearest hundred thousand. List the possible digits that could go in the ten thousands place to make this statement correct. Explain why your answer is correct.

2\_\_6,739  $\approx$  300,000

5, 6, 7, 8, or 9 because these digits  
tell us to round up (raise the score!)

7. Jessica wants to make the largest number out the five cards her teacher gave her. What is the largest number Jessica can make using the number cards below?

a. 24,593

b. 42,593

c. 45,932

d. 54,293

8. The amount of money raised for a Collegium Charter School was 42,426. Which expanded form expression represents the amount of money, in dollars, raised for the school?

a.  $42,000 + 400 + 20 + 6$

b.  $40,000 + 2,000 + 400 + 20 + 6$

c.  $40,000 + 2,400 + 20 + 6$

d.  $4,000 + 2,000 + 42 + 6$

9. Which statement is true about the number 345,571?

a. The value of the 4 is 400,000.

b. The 3 is odd.

c. The 3 is in the ten thousands place.

d. The value of the 5 in the thousands place is 10x as much as the 5 in the hundreds place.

10. Which is the same as 2 thousands?

a. 20 tens

b. 20 hundreds

c. 200 ones

d. 2 hundreds

