Ν	aı	m	е
IN	a		⊏_

6th Grade Math Midyear Assessment Review – Exam Date:\_\_\_\_\_

Remember, for all topics within this review you have notes you can go to for help as well as old skills checks, quizzes, prep task, etc. Any questions you come up with please make sure to ask in class. If we don't ask questions how will we learn? ©

- Remember to do all work on the paper, even the multiple choice questions
- Go through all choices before making a final decision on an answer
- Make logical, educated guesses based on what you do know
- Check your work!!!
- •

## Decimal Number Concepts

## Part 1 Directions: Round each number to the given place value.

- 1) Round 314 to the nearest hundred.
- 2) Round 4,843 to the nearest hundred.
- 3) Round 67,545 to the nearest ten.
- 4) Round 43,050 to the nearest ten.
- 5) Round 7,888 to the nearest thousand.
- 6) Round to the nearest hundredth. 98.949
- 7) Round to the nearest whole number. 9.88
- 8) Round to the nearest tenth. 33.25
- 9) Round to the nearest tenth. 16.118
- **10)** Round to the nearest hundredth. 3.827



## **Ratios and Rates**

#### Part 2 Directions: For each ratio relationship given, fill in the chart below:

Example	One way to	2 <sup>nd</sup> way to	3 <sup>rd</sup> way to	The value of the	An equivalent
	write a ratio	write a ratio	write a ratio	ratio (simplify)	ratio
1. For every 48					
ice pops					
there are 8					
kids					

# Part 3 Directions: Circle the best choice.

1. Which ratio is different from the others?			2. rati	In a room, there are o of girls to boys is	9 bo	ys and 12 girls. The	
A	8 to 15	В	15:8	А	9 to 12	В	3:4
С	8:15	D	<u>8</u> 15	с	4 to 3	D	9
Do	es this difference ma	atter?					12
3. \	Which ratio is equiva	lent t	o 15:20?	4. A The	A pet store has 8 cats e ratio 8:23 compares	s, 12 s	dogs, and 3 rabbits.
А	5 to 10	В	18:25			_	_
			24	A	dogs to cats	В	cats to dogs
C	21:28	D	30	С	rabbits to cats	D	cats to all animals

# Part 4 Directions: Find the unit rate for each.

1. Jen bought 5 CD's for \$57.50. What was the unit price?	2. In 8 minutes, Josh was able to type 496 words. What's his typing speed in words per minute?
3. Kyle ran the 200-meter dash in 12.5 seconds. How fast did he run per second?	4. Mr. Deidel filled up his 14-gallon gas tank for \$29.26. What was the price per gallon?

## Part 5 Directions: Use any method to solve

# Use this information for questions 1-3.

Mason and Laney ran laps to train for the long-distance running team. The ratio of the number of laps Mason ran to the number Laney ran was 2 to 3.

1. If Laney ran 930 meters, how far did Mason run?

2. This year Laney ran 290 meters more than Mason. How many meters did Mason run?

3. Their third year, they ran 2,000 meters altogether. How far did they each run?

4. Jasmine has taken an online boating safety course and is now completing her endof-course exam. As she answers each question, the progress bar at the bottom of the screen shows what portion of the test she has finished. She has just completed Question 16, and the progress bar shows she is 20% complete. How many total questions are on the test? Use a table, diagram, or equation to justify your answer. 5. Loren and Julie have different part-time jobs after school. They are both paid at a constant rate of dollars per hour. The tables below show Loren and Julie's total income (amount earned) for working a given amount of time.

Loren

Hours	2	4	6	8	10	12	14	16	18
Dollars	18	36	54	72	90	108			162

Julie

Hours	3	6	9	12	15	18	21	24	27
Dollars	36		108	144	180	216		288	324

- a. Find the missing values in the two tables above.
- b. Who makes more per hour? Justify your answer.

c. What is the unit rate? (How much does each girl make per hour?)

d. How much money would Julie earn for working 16 hours?

# Fractions, Decimals and Percent

Part 6 Directions: Answer the questions in the space provided. You may, and should, use a calculator.

1.	$\frac{3}{4}$ is equal to
	a. 0.50.
	<b>b.</b> 0.25.
	c. 0.75.
	d. 0.30.
	e. 1.25.
2.	
	What is the decimal equivalent of $\frac{1}{3}$ , rounded to the nearest
	hundredth?
	a. 0.13
	<b>b.</b> 0.33
	c. 0.50
	d. 0.67
	e. 0.75
3.	$1\frac{1}{2}$ is equal to
	a. 0.50.
	b. 1.25.
	c. 2.50.
	d. 0.75.
	e. 1.50.
4.	Maggie asked for $\frac{1}{5}$ of the cake. How much of the cake is this?
	a. 0.10
	<b>b.</b> 0.20
	c. 0.15
	d. 0.50
	e. 0.25
5.	$\frac{4}{5}$ is equal to
	a. 0.80.
	<b>b.</b> 0.50.
	<b>c.</b> 0.90.
	d. 0.45.
	e. 1.25.

Part 7 Directions: Convert each percent into a fraction in simplest form.

<b>a.</b> 25%	<b>b.</b> 4%
<b>C.</b> 68% -	<b>b.</b> 20% -
<b>d.</b> 50%	<b>e.</b> 7%

Part 8 Directions: Convert each fraction into a percent.

f.	$\frac{2}{5}$	<b>g.</b> $\frac{13}{25}$
h.	<u>7</u> 25	<b>i.</b> 19/100 -
j.	<u>3</u> <u>4</u>	<b>k.</b> $\frac{19}{20}$

#### Part 9 Directions: Answer the questions in the space provided.

1) Maria took a history test2with 25 questions on it. She gotre22 correct. What was hersscore?s	2) Maria took a math test and received a $\frac{13}{15}$ . What was her score?	3) Maria also had an E/LA test. She got 27 out of 30 questions correct. What was her score?
---	--	---

Remember to review your math concept journal, prep tasks, quizzes, skills checks and any other information from class!