

Name: \_\_\_\_\_  
Parent Signature: \_\_\_\_\_

### **Unit 3 Test Preparation Table**

Fill in the table below to help organize your preparation for the Unit Three test!  
Remember that you should be spending TWENTY minutes per day on studying, including this  
**WEEKEND!**

Date	Item(s)	Start/End Time	Comments/Questions
<b>Thursday, Dec 6</b>			
<b>Friday Dec 7</b>			
<b>Sat-Sun Dec 8-9</b>			
<b>Monday Dec 10</b>			
<b>Tuesday Dec 11</b>			
<b>Wednesday Dec 12</b>			
<b>Test Day Dec 13</b>			

### **Studying Checklist**

**Directions:** In **addition** to your study guide, please complete at check off **at least 2-3 other** activities in preparation for your test on Thursday, December 13<sup>th</sup>.

\_\_\_ **Required:** Complete the **Study Guide** in its entirety.

\_\_\_ Complete “Checkpoint Quizzes”, “Chapter 3 Review” or “Chapter 3 Test” from your textbook for cumulative practice (pages listed below- answers to some problems on pages 699-700)

\_\_\_ Attend **tutorial**.

\_\_\_ REDO problems from your homework/quizzes you did not answer correctly the first time.

\_\_\_ Complete EXAMPLE problems from each lesson without looking at the answer until it’s time to check.

\_\_\_ Complete HOMEWORK EXERCISES from each lesson (Lesson pages listed below). **\*Answers to some odd problems are in the back of the book\***

\_\_\_ Take the online lesson quizzes from the textbook (see codes below).

\_\_\_ Watch online video tutors on phschool.com (see codes below)

\_\_\_ Email Ms. Figueroa with any questions

<b>Lesson</b>	<b>Topic</b>	<b>Online Video Code</b>	<b>Online Quiz Code</b>
3-1	Patterns	aqe-0301	aq-a-0301
3-3	Translating Expressions	aqe-0303	aq-a-0303
3-4	Solving Equations using Mental Math	aqe-0304	aq-a-0304
3-5	Solving Addition Equations	aqe-0305	aq-a-0305
3-6	Solving Subtraction Equations	aqe-0306	aq-a-0306
3-7	Solving Multiplication/Division Equations	aqe-0307	aq-a-0307

## **CHAPTER 3 TEST STUDY GUIDE**

### **Lessons 3-1 through 3-7**

#### **Lesson 3-1- Describing a Pattern**

1) Complete each pattern:

A: 5, 10, 20, _____,
B: 15, 30, 60, _____,
_____

2) Which statement is true about Patterns A and B?

- a) Each term in Pattern A is 3 times the corresponding term in Pattern B
- b) Each term in Pattern B is double the corresponding term in Pattern A
- c) Each term in Pattern B is 3 times the corresponding term in Pattern B

#### **Lesson 3-2- Variables and Expressions**

Evaluate each expression. Show all of your work.

<b>3)</b> $8c + 12$ for $c=6$	<b>4)</b> $5t - 4 + h$ for $t=8$ and $h = 15$	<b>5)</b> $6(5h)$ for $h=3$

#### **Lesson 3-3- Writing Algebraic Expressions-** Write an expression for each word phrase.

12 increased by y	15 less than 3 times m
Three times the sum of 5 and m	The quotient of 18 and x

**Lesson 3-4 Using Number Sense to Solve One-Step Equations-** Tell whether the value of x in each equation makes each equation is true or false. If it is false, please provide the correct solution.

15 + x = 30    x = 45	21 ÷ x = 7    x = 3	6x = 24    x = 3

**Lessons 3-5 to 3-7 Solving One-Step Equations-** Use the words below to fill in the blanks. Then, read through the paragraph carefully as a reminder of how to solve a one-step equation.

*True    Balanced    Isolate    Substitute    Inverse*

- 15) When solving a one-step equation your goal is to \_\_\_\_\_ the variable and keep the equation \_\_\_\_\_. You usually do this by using the \_\_\_\_\_ operation to solve for the missing variable. To check your work, \_\_\_\_\_ your solution into the original equation to make sure that it makes the equation \_\_\_\_\_.

Show your work to **solve** and **check** each equation below.

Solve	Check	Solve	Check
16) $r - 1,078 = 4,562$		17) $7 = 5.6 + x$	
18) $d - 2.16 = 3.9$		19) $15h = 450$	

<b>20)</b> $v \div 1.5 = 7.2$		<b>21)</b> $t \div 4 = 32$	
----------------------------------	--	-------------------------------	--

Complete this progress tracker **after** we check our answers for the Study Guide. Use this as a way to focus your studying.

	Tracking Progress			
Lesson	Skill/Concept	Got It!	Almost !	Need to Review!
3-1	Describing a Pattern			
3-2	Variables and Expressions			
3-3	Writing Algebraic Expressions			
3-5	Solving Addition Equations (Missing Addend)			
3-6	Solving Subtraction Equations (Missing Minuend)			
3-7	Solving Multiplication Equations (Missing Factor)			
3-7	Solving Division Equations (Missing Dividend)			

Space for Extra Practice

