

Remote Learning Packet

NB: Please keep all work produced this week. Details regarding how to turn in this work will be forthcoming.

March 30 - April 3, 2020

Course: Math

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Weekly Plan:

Monday, March 30

- Addition Speed Test
- Chapter 1 Self-Test A

Tuesday, March 31

- Subtraction Speed Test
- Chapter 1 Self-Test B

Wednesday, April 1

- Multiplication Speed Test
- Chapter 2 Self-Test A

Thursday, April 2

- Powers Speed Test
- Chapter 2 Self-Test B

Friday, April 3

- Division Speed Test
- Chapter 3 Self-Test A

Statement of Academic Honesty

I affirm that the work completed from the packet is mine and that I completed it independently.

I affirm that, to the best of my knowledge, my child completed this work independently.

Student Signature

Parent Signature

Monday, March 30

This week, we will be working on strengthening our basic math skills to prepare for the more difficult concepts that lie ahead during the 4th quarter. Start each day by taking the assigned speed test. Try to work as quickly and accurately as you can. **Time yourself**, and write your name, the date, and the time it took you to complete the test at the top of the page. **You do not need to stop after one minute like we do at school. Take as long as you need to finish the assigned speed test.** You will be taking one of these tests daily. The goal is to reduce the time it takes for you to take the test and increase your accuracy as well. **After completing the test**, grade it yourself with the provided answer key. This should take less than five minutes.

1. Your assigned speed test for today is addition.
2. Your second assignment is to complete Chapter 1 Self-Test A, found on page 19 of your book. If you're having difficulty remembering how to do the problems, **the lesson in which they were taught is posted in red brackets on the right side of the page.** Turn back to that lesson and review it for help. If you have reviewed the lesson and still don't understand, continue on to the next problem, until you have tried to work each one. Use lined loose-leaf paper and show all of your work. The provided answer key will give you an idea of how much work should be shown. Do not check the answer key until AFTER you have attempted each problem. **If you do the work on your own, especially without a calculator, your math skills will improve. If you don't, they won't!**

After completing the entire Self-Test, check your answers by reviewing the attached answer key. **It is IMPORTANT that you try each problem on your own first!** You will learn more this way, and that is key. If you copy down the answers without trying the problems first, you will have more difficulty with new concepts. When looking at the answer key, put a piece of paper over the problems, and slide it down one line at a time. If you struggled with how to do a problem, see if just looking at the first step gives you enough help to complete the problem on your own. If not, slide the paper down one more line to see the next step. **Keep trying to do it on your own first!**

Tuesday, March 31

1. Today's speed test is subtraction.
2. The second assignment is Chapter 1 Self-Test B from page 31. The same detailed instructions that were given in Monday's lesson plan apply to today's assignments. Remember, when translating word problems into equations, "is" is the same as the equal sign. Sum means to add. Product means to multiply.

Wednesday, April 1

1. Today's speed test is multiplication.
2. The second assignment is Chapter 2 Self-Test A from page 50. The same detailed instructions that were given in Monday's lesson plan apply to today's assignments. When rounding, look at the number in the place to the right of the place that you are rounding to. **Five or more, raise the score. Four or less, let it rest!**

Thursday, April 2

1. Today's speed test is powers. *Before you take the speed test, review lesson 2-1.*
2. The second assignment is Chapter 2 Self-Test B from page 63. The same detailed instructions that were given in Monday's lesson plan apply to today's assignments. **Remember when rounding: five or more, raise the score. Four or less, let it rest!**

Friday, April 3

1. Today's speed test is division.
2. The second assignment is Chapter 3 Self-Test A from page 87. The same detailed instructions that were given in Monday's lesson plan apply to today's assignments.

$$\begin{array}{r} 2 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +5 \\ \hline \end{array}$$

5	12	11	9	16
<u>- 2</u>	<u>- 4</u>	<u>- 9</u>	<u>- 7</u>	<u>- 8</u>

10	14	14	14	8
<u>- 6</u>	<u>- 5</u>	<u>- 7</u>	<u>- 6</u>	<u>- 3</u>

15	11	12	7	15
<u>- 7</u>	<u>- 4</u>	<u>- 7</u>	<u>- 2</u>	<u>- 6</u>

12	6	10	7	10
<u>- 9</u>	<u>- 3</u>	<u>- 3</u>	<u>- 4</u>	<u>- 8</u>

9	13	6	13	9
<u>- 4</u>	<u>- 7</u>	<u>- 2</u>	<u>- 9</u>	<u>- 3</u>

12	17	10	8	18
<u>- 6</u>	<u>- 9</u>	<u>- 5</u>	<u>- 6</u>	<u>- 9</u>

16	8	11	11	13
<u>- 9</u>	<u>- 4</u>	<u>- 3</u>	<u>- 6</u>	<u>- 5</u>

$$\begin{array}{r} 2 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \div 3 \\ \hline \end{array}$$

$$\begin{array}{r} 32 \\ \div 4 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ \div 9 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ \div 2 \\ \hline \end{array}$$

$$\begin{array}{r} 64 \\ \div 8 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ \div 6 \\ \hline \end{array}$$

$$\begin{array}{r} 45 \\ \div 5 \\ \hline \end{array}$$

$$\begin{array}{r} 49 \\ \div 7 \\ \hline \end{array}$$

$$\begin{array}{r} 48 \\ \div 8 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ \div 5 \\ \hline \end{array}$$

$$\begin{array}{r} 56 \\ \div 8 \\ \hline \end{array}$$

$$\begin{array}{r} 28 \\ \div 7 \\ \hline \end{array}$$

$$\begin{array}{r} 35 \\ \div 7 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \div 5 \\ \hline \end{array}$$

$$\begin{array}{r} 54 \\ \div 6 \\ \hline \end{array}$$

$$\begin{array}{r} 27 \\ \div 9 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \div 3 \\ \hline \end{array}$$

$$\begin{array}{r} 21 \\ \div 3 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \div 4 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ \div 2 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ \div 4 \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ \div 7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \div 2 \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ \div 4 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ \div 3 \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ \div 6 \\ \hline \end{array}$$

$$\begin{array}{r} 72 \\ \div 9 \\ \hline \end{array}$$

$$\begin{array}{r} 25 \\ \div 5 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \div 2 \\ \hline \end{array}$$

$$\begin{array}{r} 81 \\ \div 9 \\ \hline \end{array}$$

$$\begin{array}{r} 63 \\ \div 9 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ \div 4 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ \div 3 \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ \div 6 \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ \div 5 \\ \hline \end{array}$$

Name _____

Section _____

$2^2 =$

$2^3 =$

$2^4 =$

$2^5 =$

$3^2 =$

$3^3 =$

$3^4 =$

$3^5 =$

$4^2 =$

$4^3 =$

$4^4 =$

$4^5 =$

$5^2 =$

$5^3 =$

$5^4 =$

$5^5 =$

$6^2 =$

$6^3 =$

$7^2 =$

$7^3 =$

$8^2 =$

$8^3 =$

$9^2 =$

$9^3 =$

$10^2 =$

$10^3 =$

$11^2 =$

$12^2 =$

$13^2 =$

$14^2 =$

$15^2 =$

$16^2 =$

$17^2 =$

$18^2 =$

$19^2 =$

$20^2 =$

$$\begin{array}{r} 2 \\ +3 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 8 \\ +4 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 2 \\ +9 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 7 \\ +2 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 8 \\ +8 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 4 \\ +6 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 9 \\ +5 \\ \hline 14 \end{array}$$

$$\begin{array}{r} 7 \\ +7 \\ \hline 14 \end{array}$$

$$\begin{array}{r} 6 \\ +8 \\ \hline 14 \end{array}$$

$$\begin{array}{r} 3 \\ +5 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 7 \\ +8 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 4 \\ +7 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 5 \\ +7 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 2 \\ +5 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 9 \\ +6 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 3 \\ +9 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 3 \\ +3 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 7 \\ +3 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 3 \\ +4 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 8 \\ +2 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 5 \\ +4 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 6 \\ +7 \\ \hline 13 \end{array}$$

$$\begin{array}{r} 4 \\ +2 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 9 \\ +4 \\ \hline 13 \end{array}$$

$$\begin{array}{r} 6 \\ +3 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 6 \\ +6 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 8 \\ +9 \\ \hline 17 \end{array}$$

$$\begin{array}{r} 5 \\ +5 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 6 \\ +2 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 9 \\ +9 \\ \hline 18 \end{array}$$

$$\begin{array}{r} 7 \\ +9 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 4 \\ +4 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 8 \\ +3 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 5 \\ +6 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 8 \\ +5 \\ \hline 13 \end{array}$$

5	12	11	9	16
<u>- 2</u>	<u>- 4</u>	<u>- 9</u>	<u>- 7</u>	<u>- 8</u>
3	8	2	2	8
10	14	14	14	8
<u>- 6</u>	<u>- 5</u>	<u>- 7</u>	<u>- 6</u>	<u>- 3</u>
4	9	7	8	5
15	11	12	7	15
<u>- 7</u>	<u>- 4</u>	<u>- 7</u>	<u>- 2</u>	<u>- 6</u>
8	7	5	5	9
12	6	10	7	10
<u>- 9</u>	<u>- 3</u>	<u>- 3</u>	<u>- 4</u>	<u>- 8</u>
3	3	7	3	2
9	13	6	13	9
<u>- 4</u>	<u>- 7</u>	<u>- 2</u>	<u>- 9</u>	<u>- 3</u>
5	6	4	4	6
12	17	10	8	18
<u>- 6</u>	<u>- 9</u>	<u>- 5</u>	<u>- 6</u>	<u>- 9</u>
6	8	5	2	9
16	8	11	11	13
<u>- 9</u>	<u>- 4</u>	<u>- 3</u>	<u>- 6</u>	<u>- 5</u>
7	4	8	5	8

$$\begin{array}{r} 2 \\ \times 3 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 8 \\ \times 4 \\ \hline 32 \end{array}$$

$$\begin{array}{r} 2 \\ \times 9 \\ \hline 18 \end{array}$$

$$\begin{array}{r} 7 \\ \times 2 \\ \hline 14 \end{array}$$

$$\begin{array}{r} 8 \\ \times 8 \\ \hline 64 \end{array}$$

$$\begin{array}{r} 4 \\ \times 6 \\ \hline 24 \end{array}$$

$$\begin{array}{r} 9 \\ \times 5 \\ \hline 45 \end{array}$$

$$\begin{array}{r} 7 \\ \times 7 \\ \hline 49 \end{array}$$

$$\begin{array}{r} 6 \\ \times 8 \\ \hline 48 \end{array}$$

$$\begin{array}{r} 3 \\ \times 5 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 7 \\ \times 8 \\ \hline 56 \end{array}$$

$$\begin{array}{r} 4 \\ \times 7 \\ \hline 28 \end{array}$$

$$\begin{array}{r} 5 \\ \times 7 \\ \hline 35 \end{array}$$

$$\begin{array}{r} 2 \\ \times 5 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 9 \\ \times 6 \\ \hline 54 \end{array}$$

$$\begin{array}{r} 3 \\ \times 9 \\ \hline 27 \end{array}$$

$$\begin{array}{r} 3 \\ \times 3 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 7 \\ \times 3 \\ \hline 21 \end{array}$$

$$\begin{array}{r} 3 \\ \times 4 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 8 \\ \times 2 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 5 \\ \times 4 \\ \hline 20 \end{array}$$

$$\begin{array}{r} 6 \\ \times 7 \\ \hline 42 \end{array}$$

$$\begin{array}{r} 4 \\ \times 2 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 9 \\ \times 4 \\ \hline 36 \end{array}$$

$$\begin{array}{r} 6 \\ \times 3 \\ \hline 18 \end{array}$$

$$\begin{array}{r} 6 \\ \times 6 \\ \hline 36 \end{array}$$

$$\begin{array}{r} 8 \\ \times 9 \\ \hline 72 \end{array}$$

$$\begin{array}{r} 5 \\ \times 5 \\ \hline 25 \end{array}$$

$$\begin{array}{r} 6 \\ \times 2 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 9 \\ \times 9 \\ \hline 81 \end{array}$$

$$\begin{array}{r} 7 \\ \times 9 \\ \hline 63 \end{array}$$

$$\begin{array}{r} 4 \\ \times 4 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 8 \\ \times 3 \\ \hline 24 \end{array}$$

$$\begin{array}{r} 5 \\ \times 6 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 8 \\ \times 5 \\ \hline 40 \end{array}$$

$$\begin{array}{r} 6 \\ \div 3 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 32 \\ \div 4 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 18 \\ \div 9 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 14 \\ \div 2 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 64 \\ \div 8 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 24 \\ \div 6 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 45 \\ \div 5 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 49 \\ \div 7 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 48 \\ \div 8 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 15 \\ \div 5 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 56 \\ \div 8 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 28 \\ \div 7 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 35 \\ \div 7 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 10 \\ \div 5 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 54 \\ \div 6 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 27 \\ \div 9 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 9 \\ \div 3 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 21 \\ \div 3 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 12 \\ \div 4 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 16 \\ \div 2 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 20 \\ \div 4 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 42 \\ \div 7 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 8 \\ \div 2 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 36 \\ \div 4 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 18 \\ \div 3 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 36 \\ \div 6 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 72 \\ \div 9 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 25 \\ \div 5 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 12 \\ \div 2 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 81 \\ \div 9 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 63 \\ \div 9 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 16 \\ \div 4 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 24 \\ \div 3 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 30 \\ \div 6 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 40 \\ \div 5 \\ \hline 8 \end{array}$$

Name _____

Section _____

$2^2 = 4$

$2^3 = 8$

$2^4 = 16$

$2^5 = 32$

$3^2 = 9$

$3^3 = 27$

$3^4 = 81$

$3^5 = 243$

$4^2 = 16$

$4^3 = 64$

$4^4 = 256$

$4^5 = 1024$

$5^2 = 25$

$5^3 = 125$

$5^4 = 625$

$5^5 = 3125$

$6^2 = 36$

$6^3 = 216$

$7^2 = 49$

$7^3 = 343$

$8^2 = 64$

$8^3 = 512$

$9^2 = 81$

$9^3 = 729$

$10^2 = 100$

$10^3 = 1000$

$11^2 = 121$

$12^2 = 144$

$13^2 = 169$

$14^2 = 196$

$15^2 = 225$

$16^2 = 256$

$17^2 = 289$

$18^2 = 324$

$19^2 = 361$

$20^2 = 400$

Pre-Algebra Chapter 1 Self-Test A, pg. 19, Answer Key, pg. 1

$$\begin{array}{r} 1. \quad 4.3 \\ \times 6 \\ \hline 25.8 \end{array}$$

$$\begin{array}{r} 2. \quad 4.15 \\ + 1.60 \\ \hline 5.75 \end{array}$$

$$\begin{array}{r} 3. \quad 8.46 \\ - 5.70 \\ \hline 2.46 \end{array}$$

$$\begin{array}{r} 4. \quad \boxed{7.6} \\ 9 \overline{) 84} \\ \underline{- 63} \\ 54 \\ \underline{- 54} \\ 0 \end{array}$$

$$\boxed{k=4 \quad m=6}$$

$$5. \quad 184 \div k$$

$$\begin{array}{r} \boxed{46} \\ 4 \overline{) 184} \\ \underline{- 160} \\ 24 \\ \underline{- 24} \\ 0 \end{array}$$

$$6. \quad 8+m+1 \\ 8+6+1 = \boxed{15}$$

$$7. \quad 7Km \\ 7(4)(6) = 28 \cdot 6 = \begin{array}{r} 4 \\ 28 \\ \times 6 \\ \hline 168 \end{array}$$

Order of Operations:
PEMDAS

$$8. \quad 8 + 3 \times 14 = 14 \\ 8 + (3 \cdot 14) = \begin{array}{r} \times 3 \\ 42 \\ \hline 50 \end{array}$$

$$9. \quad 48 \div (6 \times 2 - 4) = \\ 48 \div (12 - 4) = \\ 48 \div (8) = \boxed{6}$$

$$10. \quad \frac{7 + (9 \times 3) - 2}{(5 \times 4) - (2 \times 2)} =$$

$$\frac{7 + 27 - 2}{20 - 4} =$$

$$\frac{34 - 2}{16} = \frac{32}{16} = \boxed{2}$$

$$\boxed{s=12 \quad t=18}$$

$$11. \quad \frac{s}{4} + 6 =$$

$$\frac{12}{4} + 6 = 3 + 6 = \boxed{9}$$

$$12. \quad (t+2) \div 5 = \\ (18+2) \div 5 = \\ 20 \div 5 = \boxed{4}$$

$$13. \quad 2s - t = \\ 2(12) - 18 = \\ 24 - 18 = \boxed{6}$$

$$14. \quad 72 - m = 43 \\ \{19, 29, 31\}$$

$$\begin{array}{r} 72 \\ - 19 \\ \hline 53 \neq 43 \end{array}$$

$$\begin{array}{r} 72 - 29 = 43 \\ \checkmark 43 = 43 \end{array}$$

$$\boxed{29}$$

$$15. \quad 6r = 48 \\ \{6, 7, 8\}$$

$$6 \cdot 6 = 48 \quad \times \\ 36 \neq 48$$

$$6 \cdot 7 = 48 \quad \times \\ 42 \neq 48$$

$$6 \cdot 8 = 48 \\ 48 = 48 \quad \checkmark$$

$$\boxed{8}$$

$$16. \quad t \div 12 = 11 \\ \{23, 24, 25\}$$

$$23 \div 12 \neq 11 \quad \times$$

$$24 \div 12 = 11 \quad \times \\ 2 \neq 11$$

$$25 \div 12 \neq 11 \quad \times$$

$\boxed{\text{No solution}}$

Pre-Algebra Chapter 1 Self-Test A, pg. 19, Answer Key, pg. 2

17. $4d + 16 = 28$; $\{3, 4, 5\}$

$$4(3) + 16 = 28$$

$$12 + 16 = 28$$

$$28 = 28 \checkmark$$

$\boxed{3}$

18. $430 > 403$

19. $52 \div 17 = 19$

$$\begin{array}{r} 3 \\ 17 \overline{) 52} \\ \underline{51} \\ 1 \end{array}$$

$3 \frac{1}{17} < 19$

20. $225 = 9 \times 25$

$225 = 225$

$$\begin{array}{r} 9 \\ 25 \overline{) 225} \\ \underline{225} \\ 0 \end{array}$$

21. $x < 5$

$\boxed{\{0, 1, 2, 3, 4\}}$

22. $x \geq 85$

$\boxed{\{85, 86, \dots\}}$

23. $19 \leq x \leq 27$

$\boxed{\{19, 20, 21, \dots, 27\}}$

24. $g - 32 = 12$

$$g - 32 = 12$$

$$+ 32 \quad + 32$$

$$\boxed{g = 44}$$

25. $7d < 112$

$$\frac{7d}{7} < \frac{112}{7}$$

$\boxed{d < 16}$

$$\begin{array}{r} 16 \\ 7 \overline{) 112} \\ \underline{-70} \\ 42 \end{array}$$

26. $5a + 4 = 49$

$$-4 \quad -4$$

$$\underline{5a = 45}$$

$$\frac{5a}{5} = \frac{45}{5}$$

$\boxed{a = 9}$

Pre-Algebra Chapter 1 Self-Test B, pg. 31 Answer Key

1. $12 \div y$ or $\frac{12}{y}$

2. $x - 5$

3. $9g - 21$

4. $15 = 9 + 2x$

5. $25(b+7) > 11 \div 4$

6. $24 - 4n \leq 12$

7. Hammer	12.95
5 lb. of nails	5.20
8 sheets of plywood	12.00 each

$12 \times 8 = 96$ ←

$$\begin{array}{r} 12.95 \\ 5.20 \\ + 96.00 \\ \hline \$114.15 \end{array}$$

8. 8 buses = 392 tickets

$$\begin{array}{r} 49 \\ 8 \overline{)392} \\ \underline{-320} \\ 72 \\ \underline{-72} \\ 0 \end{array}$$

49 passengers on each bus

Pre-Algebra Chapter 2, Self Test A, pg. 50, Answer Key

1. $2^4 = 2 \cdot 2 \cdot 2 \cdot 2 = \boxed{16}$

2. $8^3 = 8 \cdot 8 \cdot 8 = \boxed{512}$

3. $9^1 = \boxed{9}$

4. $5^2 \times 5^3 = 5^{2+3} = 5^5 = \boxed{3125}$
 $5 \cdot 5 \cdot 5 \cdot 5 \cdot 5 = \boxed{3125}$

5. $a^6 \times a^5 = a^{6+5} = a^{11}$

6. $30.694 > \boxed{27.35}$

7. $0.024 > \boxed{0.017}$

8. $0.87 < \boxed{1.22}$

9. tens: $84.307 = \boxed{80}$
↑

10. hundredths: $3.176 = \boxed{3.18}$
↑ ↑

11. hundreds: $293.84 = \boxed{300}$
↑

Pre-Algebra Chapter 2, Self Test B, pg. 63, Answer Key

$$1. \begin{array}{r} 12(15-8) + 6 \times 3 \\ 12(7) + 6 \times 3 \\ 84 + 18 = \boxed{102} \end{array} \quad \begin{array}{r} 12 \quad 84 \\ \times 7 \quad + 18 \\ \hline 84 \quad 102 \end{array}$$

$$9. \begin{array}{l} [(12+6) \div 6] + [(25+5) \div 3] \\ [18 \div 6] + [30 \div 3] \\ 3 + 10 = \boxed{13} \end{array}$$

$$2. \begin{array}{r} (31 \times 4) + (15 \times 4) - 91 \\ 124 + 60 - 90 \\ 184 - 90 = \boxed{94} \end{array}$$

$$10. (7b+3)5 + (11+4b)2$$

Distribute: $(7b+3)5 + (11+4b)2$
 $35b+15 + 22+8b$
 Combine like terms: $35b+8b+15+22$
 $\boxed{43b+37}$

$$3. \begin{array}{r} 7(56 \div 8) - 7(24 \div 6) \\ 7(7) - 7(4) \\ 49 - 28 = \boxed{21} \end{array}$$

$$4. \begin{array}{r} 9(0.36 \times 4) + 55 \\ 9(1.44) + 55 \\ 12.96 + 55 = \boxed{67.96} \\ \begin{array}{r} 12.96 \\ + 55.00 \\ \hline 67.96 \end{array} \end{array}$$

$$5. \begin{array}{l} [(128 \div 4) \div 8] 9 \\ [32 \div 8] 9 \\ 4 \cdot 9 = \boxed{36} \end{array} \quad \begin{array}{r} 32 \\ 4 \overline{)128} \\ \underline{-12} \\ 8 \end{array}$$

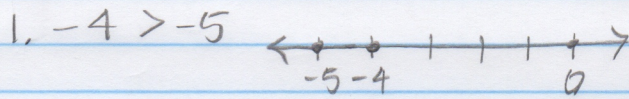
$$6. \begin{array}{r} (12+9)5 + (17-3)6 \\ 21 \cdot 5 + 14 \cdot 6 \\ 105 + 84 = \boxed{189} \\ \begin{array}{r} 105 \\ + 84 \\ \hline 189 \end{array} \end{array} \quad \begin{array}{r} 2 \\ 14 \\ \times 6 \\ \hline 84 \end{array}$$

$$7. (6a+7)2 + 4a$$

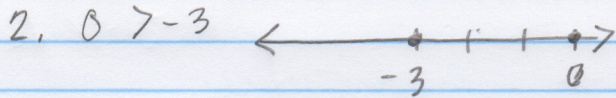
$(6a+7)2 + 4a$ = Distribute
 $12a+14+4a$ = combine like terms!
 $\boxed{16a+14}$

$$8. \begin{array}{r} (1.26 + 3.74)^2 \div 4 = \\ 5^2 \div 4 = \\ 25 \div 4 = \boxed{6.25} \end{array} \quad \begin{array}{r} 1 \quad 1 \\ 1.26 \\ + 3.74 \\ \hline 5.00 \end{array}$$

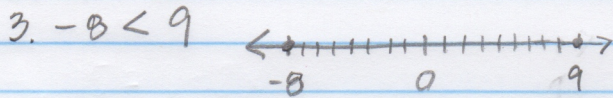
Pre-Algebra Chapter 3 Self-Test A, pg. 87, Answer Key



11. $8 - (-27) =$
 $8 + 27 = \boxed{35}$



12. $-5.1 - (-5.1) =$
 $-5.1 + 5.1 = \boxed{0}$



13. $0 - 36 = \boxed{-36}$

4. $|-7| \underline{\quad} 7$ The absolute value of -7 is 7 .

$7 \equiv 7$

$a = -6.4$ $b = -5.2$

5. $|0| \equiv 0$

14. $-b - a$

$-(-5.2) - (-6.4) =$
 $5.2 + 6.4 = \boxed{11.6}$

6. $9, 5.4, -4.52, -.25, -54$

$\boxed{-54, -4.52, -.25, 9, 5.4}$

15. $a - (-b)$

$-6.4 - [-(-5.2)] =$
 $-6.4 - 5.2 = \boxed{-11.6}$

7. $-3.79, 37, -7.3, -0.37, -0.09$

$\boxed{-7.3, -3.79, -0.37, -0.09, 37}$

Both signs are the same, so this is an addition problem. Both numbers are negative, so the answer is negative!

8. $-9.3 + 42.3$

$$\begin{array}{r} 42.3 \\ - 9.3 \\ \hline 33.0 \end{array}$$

16. $b - |a| =$

$-5.2 - |-6.4| =$
 $-5.2 - 6.4 = \boxed{-11.6}$

9. $17.8 + -17.8 = \boxed{0}$

10. $8.76 + -10.2$

$$\begin{array}{r} 10.20 \\ - 8.76 \\ \hline 1.44 \end{array}$$

$\boxed{-1.44}$

This is a subtraction problem. Subtract the smaller number from the larger number. Use the sign of the larger number!