

**Fourth Grade Math- Module 2- Study Guide #1**  
**Test 1(40 pts) will occur on Monday, November 13th**  
**NAME \_\_\_\_\_**

Part A)-.MATH.CONTENT.4.OA.A.3

Students can solve multistep word problems posed with whole numbers and having whole-number answers using the four operations, including problems in which remainders must be interpreted. **Students must show all their work for each quiz or test.**

1. Over the spring, Avery earned \$150 each week for 5 weeks. Of that money, she spent \$250 on a new computer and \$100 on new clothes. How much money did she have left?
2. Barbara weighed 6 pounds when she was born. By her first birthday, weight had tripled. By her 2<sup>nd</sup> birthday, she gained 20 more pounds. How much did she weigh on her 2<sup>nd</sup> birthday?
3. Three boxes weighing 225 kilograms each and one box weighing 175 kilograms were loaded onto the back of an empty truck. Tom took out 25 kilograms of the last box before it left the dock area. When it arrived at the new area, how much did Kendrick have to unload from that truck?
4. Last month, Chuck read 725 pages. In the same month, his brother read 4 times as many pages as Chuck. What was the total amount that Chuck's brother read last month?

Part B)-.MATH.CONTENT.4.NBT.B.5

Students can multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers, using strategies based on place value and the properties of operations.

Students may use any multiplication strategies including- array, partial method, area method and/or algorithm method. Please solve-

$$5. 27 \times 8$$

$$6. 345 \times 9$$

$$7. 1,204 \times 3$$

$$8. 27 \times 43$$

# MATH KEY -----MATH KEY----- MATH KEY

## Fourth Grade Math- Module 2- Study Guide #1

Test 1(40 pts) will occur on Monday, November 13th

Part A)-.MATH.CONTENT.4.OA.A.3

Students can solve multistep word problems posed with whole numbers and having whole-number answers using the four operations, including problems in which remainders must be interpreted. Students must show all their work for each quiz or test.

1. Over the spring, Avery earned \$150 each week for 5 weeks. Of that money, she spent \$250 on a new computer and \$100 on new clothes. How much money did she have left?

Step #1  $150 \times 5 = \$750$

Step #2  $\$250 + 100 = \$350$

Step #3  $\$750 - \$350 = \$400$ ;

Answer ---Avery had \$400 left.

2. Barbara weighed 6 pounds when she was born. By her first birthday, weight had tripled. By her 2<sup>nd</sup> birthday, she gained 20 more pounds. How much did she weigh on her 2<sup>nd</sup> birthday?

Step #1  $6 \times 3 = 18$  lbs. Step #2  $18 + 20$  lbs. = 38 lbs.

Answer- Barbara weighed 38 lbs. on her 2<sup>nd</sup> birthday.

3. Three boxes weighing 225 kilograms each and one box weighing 175 kilograms were loaded onto the back of an empty truck. Tom took out 25 kilograms of the last box before it left the dock area. When it arrived at the new area, how much did Kendrick have to unload from that truck? Step #1  $225 \times 3 = 675$  Kg

Step #2  $675 + 175 = 850$  kg

Step #3  $850 - 25 = 825$  kg

Answer = Kendrick had to unload 825 kg from the truck

4. Last month, Chuck read 725 pages. In the same month, his brother read 4 times as many pages as Chuck. What was the total amount that Chuck's brother read last month?

Step #1  $725 \times 4 = 2900$  pages

Chuck's brother read 2,900 pages last month.

Part B)-.MATH.CONTENT.4.NBT.B.5

Students can multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers, using strategies based on place value and the properties of operations.

Students may use any multiplication strategies including- array, partial method, area method and/or algorithm method. Please solve-

5.  $27 \times 8 =$  Partial Method

$$\begin{array}{r} 27 \\ \times 8 \\ \hline 56 \\ + 160 \\ \hline 216 \end{array}$$

6.  $345 \times 9$  Algorithm Method

$$\begin{array}{r} 345 \\ \times 9 \\ \hline 3105 \end{array}$$

7.  $1,204 \times 3 = 3,612$  Algorithm Method

8.  $27$  Partial Method

$$\begin{array}{r} 27 \\ \times 43 \\ \hline 21 \\ 60 \\ 280 \\ + 800 \\ \hline 1,161 \end{array}$$