Woodward Academy’s Rising 4th Grade Math Packet

Name:_________________

Please put the pages in order & staple before turning in to your Math teacher on the first Friday after the beginning of school.

You will be given an assessment over the contents of this packet on a date to be announced by your Math teacher.

**All rising 4th graders are expected to have mastered multiplication facts, 0 - 10. PLEASE use the first page of this packet to review facts over the summer!!
Multiplication Practice: Practice your multiplication facts. To make it more fun, have someone time you for two minutes to see how many you can complete. If you do not finish in the two minutes be sure to complete the rest of the page.

<table>
<thead>
<tr>
<th>6 X7</th>
<th>9 X5</th>
<th>4 X8</th>
<th>3 X3</th>
<th>8 X3</th>
<th>7 X6</th>
<th>2 X7</th>
<th>5 X4</th>
<th>9 X9</th>
<th>7 X1</th>
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<tr>
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<td>5 X8</td>
<td>6 X6</td>
<td>3 X6</td>
<td>2 X4</td>
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<td>7 X2</td>
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<td>9 X6</td>
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<td>6 X5</td>
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<td>6 X1</td>
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<td>2 X6</td>
<td>7 X4</td>
<td>6 X3</td>
<td>5 X3</td>
<td>5 X9</td>
</tr>
</tbody>
</table>
Subtraction Practice: Subtract using mental math.

1. 100 - 60 = 
2. 140 - 3 = 
3. 900 - 400 = 
4. 1600 - 800 = 
5. 1200 - 300 = 

Estimate by rounding to the nearest ten. Write a new number model for the rounded numbers and then subtract.

Example: 124 - 21 = 
120 - 20 = 100

6. 93 - 38 = 
7. 67 - 49 = 
8. 75 - 27 = 
9. 51 - 14 = 

Estimate by rounding to the nearest hundred or dollar. Write a new number model for the rounded numbers and then subtract.

10. 635 - 379 = 
11. 809 - 292 = 
12. $5.50 - $1.89 = 
13. $7.98 - $5.25 = 

Subtract

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</thead>
<tbody>
<tr>
<td>14. 739 -372</td>
<td>15. $6.00 -$2.79</td>
<td>16. 832 -457</td>
<td>17. 503 -298</td>
<td>18. 8,426 -2,518</td>
<td>19. 5,000 -3,642</td>
</tr>
<tr>
<td>20. 8,030 -2,746</td>
<td>21. 3,285 -2,639</td>
<td>22. $98.05 -$39.52</td>
<td>23. 8,264 -3,537</td>
<td>24. 9,063 - 879</td>
<td></td>
</tr>
<tr>
<td>Bonus: 6,003,070 -3,471,684</td>
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</tbody>
</table>
Place Value Review: Follow the steps to find each number in Problems 1 and 2.

1. Write 6 in the ones place.
   Write 4 in the thousands place.
   Write 9 in the hundreds place.
   Write 0 in the tens place.
   Write 1 in the ten thousands place.

2. Write 6 in the tens place.
   Write 4 in the ten thousands place.
   Write 9 in the ones place.
   Write 0 in the hundreds place.
   Write 1 in the thousands place.

3. **Compare the two numbers you wrote in Problems 1 and 2.**
   Which is greater? ____________________________________________

4. **Complete.**
   Example: The 9 in 4,965 stands for 9 **hundreds** or 900
   
   The 7 in 87,629 stands for 7 _______________________ or __________
   
   The 4 in 48,215 stands for 4 _________________________ or _______________
   
   The 0 in 72,601 stands for 0 _________________________ or _______________
   
   **Continue the Counts.**

5. 4,707; 4,708; 4,709; __________; __________; __________

6. 7,697; 7,698; 7,699; __________; __________; __________

7. 903; 902; 901; __________; __________; __________

8. 6,004; 6,003; 6,002; __________; __________; __________

9. 47,265; 47,266; 47,267; __________; __________; __________

**Write the number that is 1,000 more.**

10. 6,583 __________

11. 9,990 __________

12. 39,510 __________

**Write the number that is 1,000 less.**

13. 6,583 __________

14. 9,990 __________

15. 20,000 __________
Addition and Subtraction Review: Pay careful attention to the sign.

<table>
<thead>
<tr>
<th>537</th>
<th>7,257</th>
<th>921</th>
</tr>
</thead>
<tbody>
<tr>
<td>-219</td>
<td>-4,188</td>
<td>-472</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>10,781</th>
<th>49,548</th>
<th>267</th>
</tr>
</thead>
<tbody>
<tr>
<td>+73,919</td>
<td>+56,711</td>
<td>+777</td>
</tr>
</tbody>
</table>

Add

9 dollars
12 quarters
25 dimes
11 nickels
+ 18 pennies

Total amount of money $ ________________

Mrs. Patton baked 135 delicious cookies. She took 47 to church and took 14 to her neighbor's home. Her family ate 8 cookies. She plans to bring the remaining cookies to the fourth grade party. How many cookies will she bring? Show your work and remember your unit.
<p>| | | | | |</p>
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</thead>
<tbody>
<tr>
<td>327</td>
<td>1,537</td>
<td>8,134</td>
<td>12,929</td>
<td>104,278</td>
</tr>
<tr>
<td>+481</td>
<td>+7,914</td>
<td>+ 817</td>
<td>+58,182</td>
<td>+ 45,487</td>
</tr>
<tr>
<td>-------</td>
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<tr>
<td>789</td>
<td>371,843</td>
<td>9,674</td>
<td>489</td>
<td>87</td>
</tr>
<tr>
<td>+6,135</td>
<td>+563,777</td>
<td>+7,432</td>
<td>243</td>
<td>234</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>+156</td>
<td>468</td>
</tr>
<tr>
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<td></td>
<td>+146</td>
</tr>
</tbody>
</table>
Write each number.

Example: one million, four hundred thousand, five hundred three  \(1,410,503\)

1. three million, nine hundred fifty-four thousand, six hundred twenty-nine

2. nine million, six hundred twenty-one thousand, six hundred eight

3. two million, thirty-nine thousand, four hundred ninety-eight

4. nine hundred forty-one thousand, eight hundred five

5. seven million, three thousand, two hundred eighty

6. six million, two hundred nine thousand, four hundred fifty-five

7. nine million, eight hundred two

8. six million, nine thousand, ten
Write the multiplication and division fact family for each group of numbers.

Example: 4, 28, 7

\[
\begin{align*}
4 \times 7 &= 28 \\
7 \times 4 &= 28 \\
28 \div 7 &= 4 \\
28 \div 4 &= 7
\end{align*}
\]

1. 45, 9, 5

\[
\begin{align*}
\_ \_ \_ \_ \_ \_ \_ \_ \_ & \_ \_ \_ \_ \_ \_ \_ \_ \_ \\
\_ \_ \_ \_ \_ \_ \_ \_ \_ & \_ \_ \_ \_ \_ \_ \_ \_ \_ \\
\_ \_ \_ \_ \_ \_ \_ \_ \_ & \_ \_ \_ \_ \_ \_ \_ \_ \_ \\
\_ \_ \_ \_ \_ \_ \_ \_ \_ & \_ \_ \_ \_ \_ \_ \_ \_ \_
\end{align*}
\]

2. 32, 4, 8

\[
\begin{align*}
\_ \_ \_ \_ \_ \_ \_ \_ \_ & \_ \_ \_ \_ \_ \_ \_ \_ \_ \\
\_ \_ \_ \_ \_ \_ \_ \_ \_ & \_ \_ \_ \_ \_ \_ \_ \_ \_ \\
\_ \_ \_ \_ \_ \_ \_ \_ \_ & \_ \_ \_ \_ \_ \_ \_ \_ \_ \\
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\end{align*}
\]

3. 20, 4, 80

\[
\begin{align*}
\_ \_ \_ \_ \_ \_ \_ \_ \_ & \_ \_ \_ \_ \_ \_ \_ \_ \_ \\
\_ \_ \_ \_ \_ \_ \_ \_ \_ & \_ \_ \_ \_ \_ \_ \_ \_ \_ \\
\_ \_ \_ \_ \_ \_ \_ \_ \_ & \_ \_ \_ \_ \_ \_ \_ \_ \_ \\
\_ \_ \_ \_ \_ \_ \_ \_ \_ & \_ \_ \_ \_ \_ \_ \_ \_ \_
\end{align*}
\]

4. 6, 40, 240

\[
\begin{align*}
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\_ \_ \_ \_ \_ \_ \_ \_ \_ & \_ \_ \_ \_ \_ \_ \_ \_ \_ \\
\_ \_ \_ \_ \_ \_ \_ \_ \_ & \_ \_ \_ \_ \_ \_ \_ \_ \_ \\
\_ \_ \_ \_ \_ \_ \_ \_ \_ & \_ \_ \_ \_ \_ \_ \_ \_ \_
\end{align*}
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5. 10, 6, 60

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\begin{align*}
\_ \_ \_ \_ \_ \_ \_ \_ \_ & \_ \_ \_ \_ \_ \_ \_ \_ \_ \\
\_ \_ \_ \_ \_ \_ \_ \_ \_ & \_ \_ \_ \_ \_ \_ \_ \_ \_ \\
\_ \_ \_ \_ \_ \_ \_ \_ \_ & \_ \_ \_ \_ \_ \_ \_ \_ \_ \\
\_ \_ \_ \_ \_ \_ \_ \_ \_ & \_ \_ \_ \_ \_ \_ \_ \_ \_
\end{align*}
\]

6. 30, 70, 210

\[
\begin{align*}
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\_ \_ \_ \_ \_ \_ \_ \_ \_ & \_ \_ \_ \_ \_ \_ \_ \_ \_ \\
\_ \_ \_ \_ \_ \_ \_ \_ \_ & \_ \_ \_ \_ \_ \_ \_ \_ \_ \\
\_ \_ \_ \_ \_ \_ \_ \_ \_ & \_ \_ \_ \_ \_ \_ \_ \_ \_
\end{align*}
\]
Measurement Review: Use fractions to carefully measure these drawings using both the 7 inch and centimeter sides of your ruler.

1. The length of the fish is about _________ inches and about __________ cm.

2. A __________________________ B

   The distance of line segment AB above is about ___________ in and ___________ cm.

3. A

   B

   C

   D

   Line segment AB measures about ___________ in.

   Line segment AB measures about ___________ cm.

   Line segment AC measures about ___________ in.

   Line segment AC measures about ___________ cm.

Carefully draw the following line segments.

4. 9,5 cm

5. 4 ½ in

6. 2 cm shorter than 9.5 cm.

7. 1 ½ in. shorter than 4 ½ in.
Match the description with the correct polygon. Write the letter of that polygon.

1. a rectangle with a perimeter of 22 in. _________________
2. a triangle with a perimeter of 18 in. _________________
3. a parallelogram with a perimeter of 18 in. _________________
4. a square with a perimeter of 16 in. _________________
5. a trapezoid with a perimeter of 18 in. _________________
6. a triangle with a perimeter of 17 in. _________________
7. A rhombus with a perimeter of 28 in. _________________
8. a rectangle with a perimeter of 20 in. _________________

A. 4 in.  
B. 5 in.  
C. 7 in.  
D. 6 in.  
E. 5 in.  
F. 7 in.  
G. 4 in.  
H. 7 in.  

8 in.  
3 in.  
7 in.  
6 in.  
2 in.
Write the number that matches each description.

1. 4 in the tenths place
   2 in the thousandths place
   7 in the hundredths place
   0 in the ones place

2. 5 in the tenths place
   3 in the tens place
   5 in the ones place
   3 in the hundredths place

---

3. 4 in the thousandths place
   2 in the ones place
   7 in the hundredths place
   0 in the tenths place

4. 0 in the hundredths place
   6 in the ones place
   8 in the thousandths place
   0 in the tenths place

---

Write each number below as a decimal.

5. nine-tenths ____________

6. thirty-thousandths __________

7. fifty-three hundredths ____________

8. sixty and four-tenths ____________

9. seven and seven-thousandths ____________

10. sixty and four-hundredths ____________

11. eight hundred ______________

12. sixty-two thousandths ____________

---

Fill in the missing numbers.

13.

0 ____ ____ ____ ____ ____ ____ ____ ____ ____ 1

14.

0 ____ ____ ____ ____ ____ ____ ____ ____ ____ 1
Solve each problem.

1. Samuel bought presents for 40 cents, 50 cents, 60 cents, and 70 cents. How much money did he spend in all? ______________________

CHECK: Does my answer make sense? __________________

2. Trini rode her bike 12 miles on Friday. She rode 14 miles on Saturday and 15 miles on Sunday. How many miles did she ride in all? ___________________

CHECK: Does my answer make sense? __________________

3. Jon, Dave, and Kevin collected rocks at the beach. Each boy collected 25 rocks. How many rocks did the boys collect in all? ________________

CHECK: Does my answer make sense? __________________

4. The Torrey family was on vacation. One day, they spent $140 for a motel room, $130 for meals, and $200 at a park. How much money did they spend that day? ________________

CHECK: Does my answer make sense? __________________
Use a straightedge to draw the following.

1. Draw and label line segment AB

2. Draw and label line XY

3. Draw and label ray CD

Use the figure to the right to answer the following questions.

4. Write 2 names for this figure.

   ________  __________
   G           H

5. What point names the vertex of this figure? ________________

6. Write the name of each polygon below under the picture.

   ![Octagon](octagon.png)
   ![Triangle](triangle.png)
   ![Parallelogram](parallelogram.png)
   ![Pentagon](pentagon.png)
   ![Hexagon](hexagon.png)
   ![Trapezoid](trapezoid.png)
Round to the nearest ten.

275 ___________ 462_______________________
3,144 ___________ 8,392_____________________
54,297 ___________ 278,434__________________

Round to the nearest hundred.

465 ___________ 6,130_______________________
2,451 ___________ 2,451_______________________
64,958 ___________ 2,429_______________________

Round each number to the given place.

1. Round 23,876 to the nearest
ten __________________ hundred __________________
thousand _______________ ten thousand _______________

2. Round 297,497,026 to the nearest
Hundred _______________ thousand _______________
Ten _______________ hundred thousand _______________

3. Round 34,973.382 to the nearest
Tenth _______________ hundred __________________
Ten thousand _____________ hundredth ______________
One __________________ ten _____________________