4.NBT.1

1. A. How is the 2 in the number 582 similar to the 2 in the number 528?

Answer ___________________________________________

B. How is the 2 in the number 582 different from the 2 in the number 528?

Answer ___________________________________________

4.NBT.2

2. In which of the following base ten numerals does the digit in the thousands place represent a value that is 10 times the value represented by the digit in the hundreds place?

A. 2687
B. 4825
C. 5752
D. 7781

3. The numbers are ordered from greatest to least. One number is missing.

582,378 _______________ 576,201

Which number is missing?

A. 573,095
B. 575,195
C. 578,263
D. 576,200

4. Which symbol makes this sentence true?

239,475 _____ 240,467
4.NBT.3

5. Your class is collecting bottled water for a service project. The goal is to collect 300 bottles of water. On the first day, Max brings in 3 packs with 6 bottles in each container. Sarah wheels in 6 packs with 6 bottles in each container. About how many bottles of water still need to be collected? Show your work.

Answer _______________________________

6. Round each money amount to the nearest ten thousand.

   A. $129,354   Answer   ______________
   B. $376,415   Answer  __________________

7. Which number does not round to 600?

   A. 559
   B. 586
   C. 621
   D. 450

8. For the county bake sale, the soccer team baked 222 cookies, 298 brownies, and 234 muffins.
**Part A:** Round each type of baked good to the nearest hundred.
Cookies ____________
Brownies ____________
Muffins _______________

**Part B:** The soccer team baked about the same amount of two types of baked goods. What types were they? Explain your answer.

4.NBT.4

9. Solve. Explain why the algorithm works.

\[3892 - 2567\]

10. A recycling center recycles plastic bottles, aluminum cans, and glass bottles. The table shows the amount of each material the center recycled in one day.

<table>
<thead>
<tr>
<th>Material Recycled</th>
<th>Amount Recycled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plastic Bottles</td>
<td>13,952</td>
</tr>
<tr>
<td>Aluminum Cans</td>
<td>8,596</td>
</tr>
<tr>
<td>Glass Bottles</td>
<td>3,735</td>
</tr>
</tbody>
</table>
Part A: Did the center recycle more plastic bottles or more aluminum cans and glass bottles combined that day? Show your work.

Answer __________________________________________________________________________

Part B: How many materials in all did the center recycle that day? Show your work.

Answer __________________________________________________________________________

11. Max scored 2,347 points in a video game. That was 1,356 points more than Dante’s score on the same game. How many points did Dante score? Show your work.

Answer __________________________________________________________________________

4.NBT.5

12. There are 25 dozen cookies in the bakery. What is the total number of cookies at the bakery? Use an array area model to show your work.
13. Mrs. Smith bought 32 boxes of crayons. Each box has 72 crayons.

**Part A**: Write a number sentence to find how many crayons Mrs. Smith bought in all.

**Part B**: Use the distributive property of multiplication to find the total number of crayons. Show your work.

14. Multiply and show your work.

4,234 \times 6 = \underline{ }

4.NBT.6

15. A 4th grade teacher bought 4 new pencil boxes. She has 260 pencils. She wants to put the pencils in the boxes so that each box
has the same number of pencils. How many pencils will there be in each box? Show your work.

Answer _____________________________________________

16. The workers paved 1,254 feet of a road today. That is 3 times as long as they paved yesterday. How much of the road did the workers pave yesterday? Show your work.

Answer _____________________________________________

17. Divide and show your work.

988 ÷ 7 =

18. Complete the chart below.

<table>
<thead>
<tr>
<th>Yards</th>
<th>Feet</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>2</td>
<td>6</td>
</tr>
<tr>
<td>3</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

4.MD.1
19. A musical started at 1:10 P.M. and ended at 3:40 P.M. How long was the musical? Show your work.

Answer ___________________________

20. Lea spent 8 days on her vacation. She spent \( \frac{3}{4} \) of her vacation at Disney World. How many days of her vacation did she spend at Disney World?

A. 2 days  
B. 3 days  
C. 4 days  
D. 6 days

**4.MD.2**

21. Bill and 10 friends are planning for a pizza party. They purchased 3 quarts of juice. If each glass holds 8 ounces will everyone get at least one glass of juice? Show your work.

Answer ______________________________________________
22. Michelle has 2 feet of ribbon. She wants to give her ribbon to her 3 best friends so each friend gets the same amount. How much ribbon will each friend get?

Answer __________________________________________________________

23. A pound of oranges costs $1.40. Peyton bought a pound and a half of oranges. If she gave the clerk a $5.00 bill, how much change will she get back? Show your work.

Answer __________________________________________________________

4.MD.3

24. The area of Mike’s rectangular garden is 360 square feet. The garden is 12 feet wide. What is the length of fencing Mike will need to buy in order to fence in the garden completely on all four sides? Show your work.

Answer __________________________________________________________
25. Sal has a rug in his bedroom with a perimeter of 36 feet. The length of the rug is 8 feet. What is the width of the rug.

A. 16 feet
B. 20 feet
C. 10 feet
D. 44 feet

26. Jennifer’s classroom floor had an area of 600 square feet. The length is 15 feet.

Part A: Write an equation that can be used to find the width. Let \( w \) represent the width.

Part B: What is the width of the classroom floor? Show your work.

Answer ________________________________

4.MD.4

1. Kathy recorded the approximate amount of time, in hours, it took her to practice her math facts for 10 days.

\[ \frac{1}{4}, \frac{1}{2}, 0, 1, \frac{3}{4}, \frac{1}{4}, \frac{1}{2}, \frac{3}{4}, 0 \]

In the space below create a line plot to represent Kathy’s data. Be sure to label the x-axis and title the line plot.
4.MD.5

1. The measure of angle $S$ is $121^\circ$. A part of angle $S$ measures