

Name: _____

Rising 6th Grade Summer Math

1. Be prepared to complete 100 multiplication problems (0-12) in three minutes for a quiz grade.

2. Evaluate the expression $3\left(\frac{13-1}{2}\right) + 5$

3. Megyn is writing a numerical expression to represent the following:

Three more than the product of eight and two

Complete the numerical expression by inserting the correct operational signs

(\div , \times , $+$, $-$)

3 _____ 8 _____ 2

4. Use the number 64.9135 to determine the digits in each place.

_____ tens

_____ tenths

_____ ones

_____ thousandths

5. The population of the United States is about 330,000,000 people. Write this number in scientific notation.

6. Write the correct digit in each box to express 54.108 in expanded form.

($\times 10$) + ($\times 1$) + ($\times 0.1$) + ($\times 0.01$) + ($\times 0.001$)

7. The average distance between Earth and the Moon is 238,855 miles. What is the distance rounded to the nearest ten-thousand miles?

8. Multiply.

$$\begin{array}{r} 175 \\ \times 39 \\ \hline \end{array}$$

9. There are 270 students and teachers going on a field trip to a science center. If each school bus holds 54 people, how many buses are needed?

10. The table shows the 100 meter dash times of several runners. How much faster did Luis run the race than Paul?

Runner	Time(s)
Luis	11.78
Paul	12.03
Nathan	12.15
Evan	12.64
Thomas	13.10
Samuel	13.47

11. Subtract. Express your answer as a fraction in the simplest form.

$$\frac{5}{6} - \frac{1}{2}$$

12. Darrel read $\frac{3}{20}$ of a book on Friday, $\frac{1}{5}$ of the book on Saturday, and $\frac{1}{4}$ on Monday. What fraction of the book has he read in all? Express your answer in simplest form.

13. A landscaper orders 34 tons of gravel from a supplier. The supplier transports the gravel using 6 trucks. If each truck carries an equal load, how many tons of gravel does each one carry? Express your answer as a fraction or mixed number in simplest form.

14.



9.5 inches

4.8 inches

What is the area of the rectangle?

_____ square inches

15. Write the correct symbol in each box ($>$, $<$, $=$)

a. $7 \times \frac{3}{5}$ 7

b. 6 $\frac{8}{8} \times 6$

c. $\frac{4}{3} \times 2$ 2

16. Travis bought a bag of trail mix containing 6 cups. How many $\frac{1}{4}$ cup servings are in the bag of trail mix?

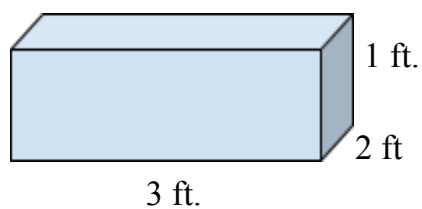
17. Order the lengths from the shortest to the longest.

4 feet 1 inch
2 feet 5 inches
1 yard
4 feet

Shortest: _____

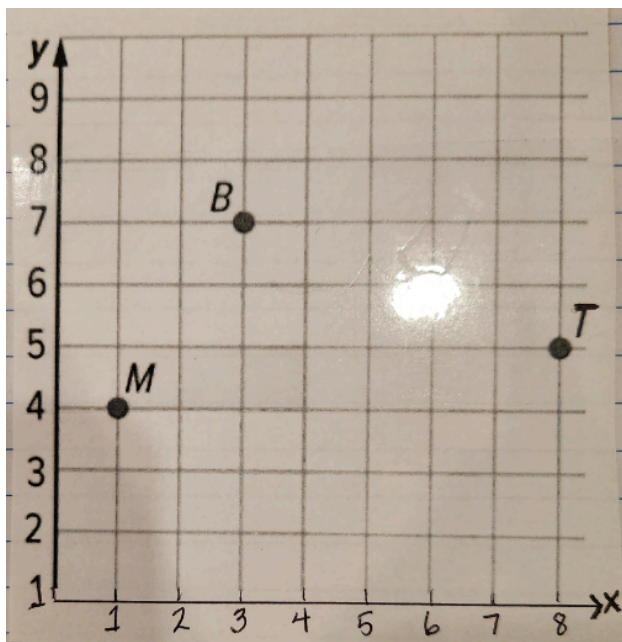
Longest: _____

18. What is the volume of the rectangular prism?



_____ ft^3

19. Determine the coordinates of each point plotted on the coordinate plane.

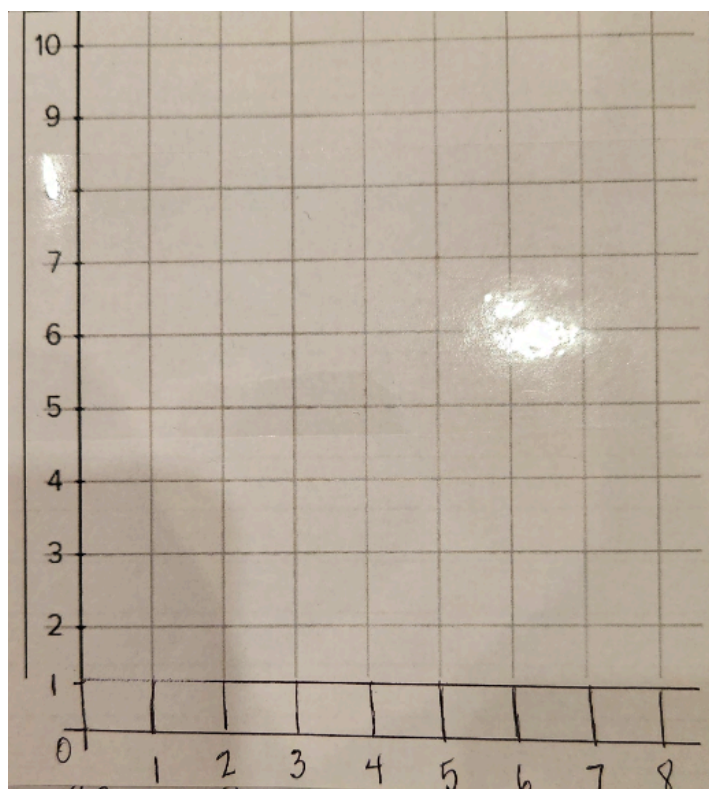


M (____, ____)

B (____, ____)

T (____, ____)

20. Graph a point at $(1, 9)$, a point at $(8, 7)$, and a point at $(4, 4)$ on the coordinate plan.



21. Have a GREAT summer!

This packet is due on August 25th!

- Mrs Federmeier