



6th Grade Pre-Algebra Summer Packet

1. Due the first day of school!.
2. All problems must be done with all work shown.
3. You can do your work on these papers.
4. Do NOT erase anything that is written down!
5. You must be neat!
6. This assignment will be graded and is considered the 1st. Assignment of the school year.
7. Should you have any questions, please contact Mr. Santora, or Mrs. Santoiemmo at:

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Have a great summer!!!!

We are looking forward to a productive and fun math year!

Math Teachers

6th Grade Pre-Algebra Summer Math Packet

1. $\frac{3}{4} \div \frac{1}{8} =$

2. 12.85
 $\times 0.34$

3. Put in order from least to greatest

$$\frac{-1}{3} \quad \frac{2}{5} \quad \frac{-1}{4} \quad \frac{2}{3} \quad \frac{5}{6} \quad \frac{5}{8}$$

4. Simplify:

a. $2(3 + 4)^2 =$

b. $2 \times 4^2 - 4 \div 2 =$

5. $6\frac{3}{4} + 3\frac{3}{4}$

6. $1\frac{3}{5} \div 5$

7. In a golf tournament, Sol was 2 strokes over par the first day, 5 strokes over par for the second day, even par for the third day and 3 strokes under par for the fourth day. How many strokes was Sol under or over par for the tournament?

8. 200×30

9. 300×600

10. 468 inches = _____ feet = _____ yards

11. 59,000 mm = _____ cm = _____ m

12. How many times would you have to fold a piece of paper in half to get 32 equal sections?

13. Change 60% to a fraction.

14. Change $\frac{9}{20}$ to a percent and a decimal.

15. Find the average of these numbers: 17, 13, 10, 16, 14

16. $3\frac{1}{4} \div \frac{1}{4} =$

17. $7\frac{1}{5} \times \frac{1}{2} =$

18. Lana has a friend who is deaf and uses sign language to communicate. She can sign about 36 concepts per minute. How many concepts can she sign in a 15 minute period?

19. $8.45 - 0.009$

20. If the first two angles of a triangle measure 37° and 104° What is the measurement of the third angle? (Hint: all 3 angles of a triangle add up to 180 degrees)

21. $4\frac{1}{2} \div 3\frac{1}{2} =$

22. $3\frac{1}{3} \times 4\frac{2}{7} =$

23. Complete the chart:

$$a = b \div 3$$

a	b
4	12
3	
1	
-6	
-12	

24. If $x + \frac{4}{5} = 1\frac{1}{4}$, what does x equal?

25. Janine is 7 years younger than Lucy and 4 years older than Samantha. The average of their ages is 16. How old is:
- a. Janine? _____ b. Samantha? _____
- c. Lucy? _____

26. $\frac{3}{2} + \frac{5}{3} =$

27. $(-14) - (-3) =$

28. What number am I?
- a. The sum of my digits is 9.
- b. I am odd.
- c. I am more than 100.
- d. I am a power of 3.

The Number is _____.

29. Gabrielle has $6\frac{1}{4}$ yards of fabric. She is making doll dresses. Each requires $\frac{3}{4}$ yard of fabric. How many dresses can she make?

30. Use the numbers below to write as many fractions as you can that equal $\frac{1}{2}$.

5, 6, 7, 10, 13, 14, 20