



Summer Packet



7th Grade (rising to 8th grade)

Dear Parents,

This packet of material is intended to provide students with practice material to be completed over the summer. Included in the packet are both reading and math review material. Keeping your child's mind active this summer will prevent a "summer setback" and ensure that they approach middle school having retained the growth gained this year.

Have a wonderful summer,

Reading

Research shows that allowing students to choose books they read increases motivation and enjoyment, so please have your child choose a book for each categories below.

A book from a series

Title: _____

Parent's Initials: _____

Date: _____

A non-fiction book

Title: _____

Parent's Initials: _____

Date: _____

A fictional book

Title: _____

Parent's Initials: _____

Date: _____

Read a book that a friend recommends

Title: _____

Parent's Initials: _____

Date: _____

Math

Please show your work for every problem. You will return your completed math pages to next year's teacher when school begins in August. Doing some math *each week* will be easier and *more beneficial* than doing all the math in a short period of time. These pages, as well as your child's summer reading, are due by the first full week of school.

SUMMER PACKET FOR INCOMING EIGHTH GRADERS

Math practice in the summer is an important way to reinforce ideas and concepts that were learned during the school year. Following is a packet that includes some of the standards needing mastery before entering the next grade. Each of the problems must be neatly written on a piece of loose leaf paper, with the exception of the chart below. Students must show ALL work to receive full credit and the packet will be due the first day of school. Students will receive a total of 50 points for completing the packet as instructed, with a five point deduction for each day it is late. In addition, there will be a 50-point test on the same skills the week after students have returned. QR codes have been provided to link most of the problems to video lessons for extra help.

I. Decimals: Add, Subtract, Multiply, or Divide.

1. $4.5 + 2.25 =$
2. $3.25 - 1.78 =$
3. $4.82 \times 7.6 =$
4. $16.8 \div 4.2 =$
5. $5.5 - 3 \times 2.5 \div 1.5 + 16.2 =$



II. Fractions: Add, Subtract, Multiply, or Divide. Simplify your final answer.

6. $4\frac{5}{6} + 3\frac{3}{4} =$
7. $1\frac{3}{4} + 4\frac{3}{8} =$
8. $8 - 5\frac{1}{8} =$
9. $8\frac{1}{6} - 6\frac{3}{4} =$
10. $6\frac{1}{2} + \frac{4}{5} =$
11. $4\frac{4}{6} \times 3 =$
12. $4\frac{1}{2} \times 5\frac{1}{3} =$
13. $\frac{5}{6} + \frac{7}{8} =$



III. Equations: Solve the following two-step equations.

1) $6 = \frac{a}{4} + 2$

2) $-6 + \frac{x}{4} = -5$

3) $9x - 7 = -7$

4) $0 = 4 + \frac{n}{5}$

5) $-4 = \frac{r}{20} - 5$

6) $-1 = \frac{5+x}{6}$

7) $\frac{v+9}{3} = 8$

8) $2(n+5) = -2$

9) $-9x + 1 = -80$

10) $-6 = \frac{n}{2} - 10$

11) $-2 = 2 + \frac{v}{4}$

12) $144 = -12(x+5)$



IV. *Place Value: Round each number to the ones, tenths, hundredths, and thousandths place.*

		ONES	TENTHS	HUNDREDTHS	THOUSANDTHS
1.	460.3135				
2.	9.9995				
3.	7.20324				
4.	45.2562				
5.	1,423.9023				

ORDER OF OPERATIONS



PLACE VALUE



V. *Order of Operations (PEMDAS): Solve the following using the correct order of operations.*

1. $(12 \div 3) \times 10 \div 2 + (5 \times 6)$

2. $3^2 + (2 + 12 \times 2) - 16 \div 4$

3. $4(15 \div 3) + (6 \times 3) - 2^2$

4. $9^2 \times 2 - 20$

5. $13 \times 2 + 25 - 3 + 15 - 3$

6. $(10 - 7) + (2 \times 12 \div 4)$

7. $64 - 8 + 12 \times 2 + 9$

8. $12^2 - 23 + (9 \times 3)$

9. $4^3 - 3^3$

10. $19 + 5 - 4 \times 6 + 8$

VI. *Operations with integers: Solve the following.*

1. $34 + (-30) =$

2. $504 \div (-36) =$

3. $(-9) \times (-22) =$

4. $(-48) \times (-4) =$

5. $4 + (-45) =$

6. $(-25) - 3 =$

7. $24 \div (-12) =$

8. $16 - 30 =$

9. $14 - (-16) =$

10. $(-418) \div 19 =$

