



Southington Public Schools

**K-12 Curriculum Coordinators**

**Betsy Chester**

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*Science/Mathematics*  
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Dear Middle School Math Students,

Attached you will find a comprehensive set of math problems which reflect the math skills you have worked on this year and should have mastered. It is the goal of the Math Department that you have a successful and enjoyable transition into your next grade level math course. We need you to practice these math skills and we encourage you to keep up these skills in several ways: first through solving the problems in this packet and second by visiting the websites that are listed after each section of the packet.

If you lose the packet you can find a copy at your MS website homepage or find the same packets at:

<http://www.southingtonschools.org>

ABOUT US

CURRICULUM and INSTRUCTION

K-8 MATH

GRADES 6-8

Summer Packets

Also there will be a limited number of copies in the Main office of each school.

Upon returning to school, your teacher will check your packets for completion and count it as your first homework grade. In order to receive credit you must attempt each problem and show any work needed to complete it. **NO CALCULATOR** may be used.

If you have a question or concern about a problem note that on your packet and it will be reviewed during the first few days of school. After you review this packet in class there will be a short assessment based on these skills. As an additional means of support, I will be happy to help any student who emails a concern they are having. My email address is:

[rburdick@southingtonschools.org](mailto:rburdick@southingtonschools.org)

Please do your **BEST** work!

Sincerely,

Rosemary Burdick  
Middle School Math Specialist

1.

$$\begin{array}{r} 9876 \\ - 6789 \\ \hline \end{array}$$

2.

$$\begin{array}{r} 33,864 \\ + 6,091 \\ \hline \end{array}$$

3.

$$924 \div 6 =$$

4.

$$497 \div 7 =$$

5.

$$46 \times 45 =$$

6.

$$\$8.36 \times 7 =$$

7.

$$60 \times 10 =$$

8.

$$80 \div 10 =$$

9.

$$.16 \times 2 =$$

10.

$$1.4 \times 5 =$$

**Fractions:**

**Write three equivalent fractions for:**

11.  $\frac{1}{3} =$  \_\_\_\_\_

12.  $\frac{1}{5} =$  \_\_\_\_\_

**Write in simplest form:**

13.  $\frac{10}{12} =$  \_\_\_\_\_

14.  $\frac{6}{16} =$  \_\_\_\_\_

**Change to a mixed number:**

15.  $\frac{29}{8} =$  \_\_\_\_\_

16.  $\frac{25}{3} =$  \_\_\_\_\_

**Change to an improper fraction:**

17.  $8\frac{3}{4} =$  \_\_\_\_\_

18.  $7\frac{1}{2} =$  \_\_\_\_\_

**19. Put in order from LEAST to GREATEST:**

$3\frac{1}{4}$     $3\frac{5}{8}$     $3\frac{3}{4}$     $2\frac{7}{8}$    \_\_\_\_\_

**Addition / Subtraction:      (Please answer in simplest form)**

19.  $7\frac{5}{8} - 3\frac{1}{8} =$  \_\_\_\_\_

20.  $6\frac{2}{3} - 4\frac{1}{6} =$  \_\_\_\_\_

21.  $2\frac{5}{8} + 5\frac{1}{8} =$  \_\_\_\_\_

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

5<sup>th</sup> Grade into 6<sup>th</sup> Grade Summer Packets

**Multiply:**

23.  $\frac{1}{2} \times \frac{3}{5} =$  \_\_\_\_\_

24.  $\frac{1}{3} \times \frac{4}{5} =$  \_\_\_\_\_

**Tell if each of the following is: Closer to 0**

**Closer to  $\frac{1}{2}$**

**Closer to 1**

25.  $\frac{7}{8}$  \_\_\_\_\_

26.  $\frac{2}{12}$  \_\_\_\_\_

27.  $\frac{1}{5}$  \_\_\_\_\_

28.  $\frac{4}{6}$  \_\_\_\_\_

**Decimals:**

**Addition and Subtraction:**

29  $2.71 + 4.12 + 6.50 =$  \_\_\_\_\_

30  $5.34 + 1.358 + 2.824 =$  \_\_\_\_\_

31  $.92 - 0.09 =$  \_\_\_\_\_

32  $0.77 - 0.54 =$  \_\_\_\_\_

33. **Put in order from LEAST to GREATEST:**

0.5    0.32    1.14    0.24    2.40    1.1

\_\_\_\_\_

**Multiply:**

34.  $\$8.23 \times 5 =$  \_\_\_\_\_

35.  $\$6.47 \times 6 =$  \_\_\_\_\_

**Word Problems:**

**Show all your work**

36. Traci earns \$5.00 per hour babysitting. How much money would she earn if she worked 8 hour a day for 12 days?
37. Ellen and Sue played computer games. Ellen made 1430 points and won the game. Sue lost by 290 points. What was Sue's score?
38. Mr. Napple bought 3 children's movie tickets for \$3.50 each and 2 adult movie tickets for \$6.00 each. How much did he spend all together?
39. Jerry bought 3 action videos for \$9.99 each and 2 comedy DVDs for \$29.98 each. What was the total bill?
40. The PTO sold tickets to the talent show. Adult tickets cost \$3.50 and student tickets cost \$1.50. If 200 adult tickets and 94 student tickets were sold, how much money was collected in ticket sales?

**Metric:**

41. A flag pole is 520 centimeters tall. How many meters is that?
42. The distance from Ray's house to school is 3000 meters. How many kilometers is that?
43. The St. Louis arch is 0.192 kilometers tall. How many meters is that?
44. John's cooler holds 12 liters of water. How many milliliters will it hold?