SUMMER MATH PACKET (5th to 6th GRADE)

June, 2016

Enclosed you will find a packet of worksheets which, together, comprise the Math summer packet. This packet includes a review of the basic skills, operations, and concepts taught in 5th grade. I will assume students know this material when we start 6th grade and will build upon this foundation.

This packet must be completed over the summer. Students must have the completed packet with them and be ready to review/submit it on the first day of school.

I expect each of these five worksheets will take approximately one hour to complete (this is an average – it will vary with each worksheet and with each student). Students should plan their time accordingly.

I expect students to show any/all necessary work for each problem and to do their work neatly and legibly on a separate piece of paper. They should ensure these separate pieces of paper (with their work and answers to the questions) stay with this summer packet (with the questions). A folder, binder or stapler may be helpful in doing this. In order to further develop number sense, please avoid calculator use, except for checking answers.

This packet will be reviewed, graded and entered as the student's first "class work" grade (so, it will count as a quiz).

I will hold periodic "extra help" sessions over the summer (approx two in July and three or four in August). If students have questions or need help, they can come to one of these sessions. The day/time of these sessions will be sent out via Edline e-mail a few days in advance. If your e-mail address is not entered in Edline, please contact the front office to get it entered. This will enable you to receive these, and other, e-mails from the school.

I hope the students are excited about 6th grade Math. I've gathered this summer packet with the intent of helping them retain what they learned in 5th grade and to help us get off to a good start in 6th grade (so they can get where they need to before the end of the year). As always, if you have any questions or concerns, please contact me.

Thank you for your attention,

Daniel J. Lynch
6th, 7th and 8th Grade Math Teacher
Monsignor Clarke Catholic Regional School
Phone: 401-789-0860
E-mail: dlynch@monsignorclarkeschool.org
Website: www.monsignorclarkeschool.org

Student Multiplication Table

Name: _____

X	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				

YOU SHOULD MEMORIZE YOUR MULTIPLICATION TABLES UP TO (AT LEAST) 12 × 12.

Math Skills: Grade 5

Student Multiplication Table

Name _____

Grade 6

Copy and complete each exercise on a separate sheet of paper.

Write in standard form.

1. 40,000 + 8000 + 200 + 10 + 5

2. 2 + 0.01 + 0.006

3. 700,000 + 600 + 40

4. 5 + 0.2 + 0.09 + 0.003

Write in order from least to greatest.

5. 2.63; 2.141; 2.344

6. 4.715; 4.725; 4.72

7. 6.9; 6.89; 0.69

8. 5.304; 53.24; 5.324

Round each to the nearest whole number, tenth, and hundredth.

9. 6.139

10. 3.642

11. 31.852

12. 19.706

Compare. Write <, =, or >.

13. 7030 − 2182 ? 4927 + 1073

14. 35,004 − 18,493 ? 26,314 − 10,227

15. 21.48 + 34.15 ? 65.94 − 10.31

16. 48.231 − 34.523 ? 14.5 − 1.007

Complete each pattern.

17. $10^0 = 1$
$10^1 = 10$
$10^2 = 100$
$10^3 =$?
$10^4 =$?
$10^5 =$?

18. $10^{-1} = 0.1$
$10^{-2} = 0.01$
$10^{-3} = 0.001$
$10^{-4} =$?
$10^{-5} =$?
$10^{-6} =$?

19. Jan scored 6 points more than Ray. Ray scored n points. What algebraic expression shows the number of points Jan scored? Evaluate the expression when n equals 15.

20. Toby had y trading cards. He gave away 10 of them. What algebraic expression shows the number of trading cards he has left? Evaluate the expression when $y = 28$.

Name _____

Copy and complete each exercise on a separate sheet of paper.

Find the products.

1. 7×7

7×70

7×700

7×7000

2. 6×5

6×50

6×500

6×5000

3. 2×0.3

20×0.3

200×0.3

2000×0.3

Round to estimate each product. Then multiply.

4. 4204×8

5. 27×51

6. 60×38

7. 149×21

8. 719×409

9. 4566×168

10. $\$9.50 \times 33$

11. $\$16.32 \times 645$

Find the product.

12. 7.2×18

13. 6.24×0.7

14. 34.6×2.3

15. 0.07×0.5

16. 5^2

17. 10^3

18. 4^4

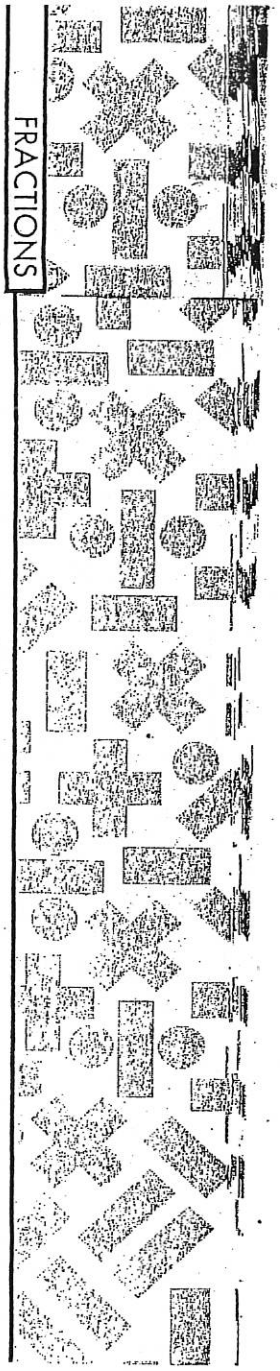
19. 3^1

Write in standard form.

20. 6.5×10^4

Name _____

Quick Fraction Multiplication



1. $\frac{2}{3} \times 6 =$ _____
2. $\frac{3}{4} \times 12 =$ _____
3. $\frac{5}{6}$ of $18 =$ _____
4. $\frac{2}{5}$ of $10 =$ _____
5. $\frac{6}{10}$ of $30 =$ _____
6. $\frac{3}{5} \times 40 =$ _____
7. $\frac{2}{8} \times 16 =$ _____
8. $\frac{3}{4} \times 28 =$ _____
9. $\frac{4}{5}$ of $25 =$ _____
10. $\frac{4}{6}$ of $30 =$ _____
11. $\frac{3}{10} \times 40 =$ _____
12. $\frac{3}{8} \times 32 =$ _____
13. $\frac{5}{6} \times 42 =$ _____
14. $\frac{2}{3}$ of $33 =$ _____
15. $\frac{5}{6} \times 36 =$ _____
16. $\frac{5}{12} \times 24 =$ _____
17. $\frac{7}{8} \times 40 =$ _____
18. $\frac{2}{9} \times 27 =$ _____
19. $\frac{4}{7}$ of $14 =$ _____
20. $\frac{7}{16} \times 48 =$ _____
21. $\frac{4}{10} \times 120 =$ _____
22. $\frac{5}{8} \times 80 =$ _____
23. $\frac{3}{4}$ of $200 =$ _____
24. $\frac{7}{12} \times 360 =$ _____
25. $\frac{7}{8} \times 400 =$ _____
26. $1\frac{2}{3}$ of $12 =$ _____
27. $\frac{3}{4} \times 84 =$ _____
28. $1\frac{3}{8} \times 24 =$ _____
29. $2\frac{2}{3} \times 6 =$ _____
30. $1\frac{4}{6} \times 18 =$ _____

Name _____

Using Division Strategies

Solve the division below *mentally*. Don't forget the strategies you've learned.

1. $\frac{2}{3} \div \frac{1}{3} =$ _____
2. $\frac{2}{4} \div \frac{1}{4} =$ _____
3. $\frac{5}{6} \div \frac{1}{6} =$ _____
4. $\frac{6}{8} \div \frac{1}{8} =$ _____
5. $\frac{7}{10} \div \frac{1}{10} =$ _____
6. $\frac{6}{12} \div \frac{1}{12} =$ _____
7. $\frac{14}{16} \div \frac{1}{16} =$ _____
8. $\frac{2}{3} \div \frac{2}{3} =$ _____
9. $\frac{4}{6} \div \frac{2}{6} =$ _____
10. $\frac{6}{10} \div \frac{2}{10} =$ _____
11. $\frac{6}{12} \div \frac{3}{12} =$ _____
12. $\frac{8}{16} \div \frac{4}{16} =$ _____
13. $\frac{6}{8} \div \frac{2}{8} =$ _____
14. $\frac{8}{10} \div \frac{4}{10} =$ _____
15. $\frac{6}{8} \div \frac{3}{8} =$ _____
16. $1 \div \frac{1}{4} =$ _____
17. $1 \div \frac{4}{16} =$ _____
18. $1 \div \frac{2}{8} =$ _____
19. $1 \div \frac{2}{10} =$ _____
20. $1 \div \frac{4}{8} =$ _____
21. $\frac{7}{8} \div \frac{1}{8} =$ _____
22. $\frac{8}{12} \div \frac{4}{12} =$ _____
23. $1 \div \frac{1}{2} =$ _____
24. $2 \div \frac{1}{2} =$ _____
25. $3 \div \frac{1}{2} =$ _____
26. $1 \div \frac{1}{4} =$ _____
27. $2 \div \frac{1}{4} =$ _____
28. $3 \div \frac{1}{4} =$ _____
29. $2 \div \frac{2}{8} =$ _____
30. $3 \div \frac{2}{8} =$ _____
31. $4 \div \frac{1}{10} =$ _____
32. $4 \div \frac{2}{10} =$ _____
33. $4 \div \frac{5}{10} =$ _____
34. $2 \div \frac{2}{3} =$ _____
35. $2 \div \frac{1}{5} =$ _____
36. $6 \div \frac{1}{3} =$ _____
37. $6 \div \frac{1}{4} =$ _____
38. $7 \div \frac{1}{5} =$ _____
39. $8 \div \frac{1}{6} =$ _____
40. $10 \div \frac{1}{2} =$ _____
41. $1\frac{1}{2} \div \frac{1}{2} =$ _____
42. $1\frac{3}{4} \div \frac{1}{4} =$ _____
43. $2\frac{1}{2} \div \frac{1}{2} =$ _____
44. $2\frac{1}{4} \div \frac{1}{4} =$ _____
45. $3\frac{2}{5} \div \frac{1}{5} =$ _____
46. $1\frac{6}{8} \div \frac{1}{8} =$ _____
47. $1\frac{6}{8} \div \frac{2}{8} =$ _____
48. $1\frac{4}{8} \div \frac{4}{8} =$ _____
49. $2\frac{4}{6} \div \frac{2}{6} =$ _____
50. $2\frac{3}{6} \div \frac{3}{6} =$ _____
51. $2\frac{1}{3} \div \frac{1}{3} =$ _____
52. $1\frac{4}{5} \div \frac{1}{5} =$ _____
53. $3\frac{6}{10} \div \frac{1}{10} =$ _____
54. $4\frac{6}{10} \div \frac{2}{10} =$ _____