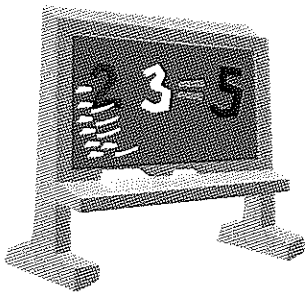
Saint Paul School

Summer 2017

Math Packet



Students Entering **GRADE 7**

Dear Parents,
We have covered a great deal of Math this year and do need to keep it fresh in the minds of your child as September approaches.
Attached is a review packet of what we have covered this year. Your child should complete this packet over the summer and bring it back to school in September to go over it.
Have a wonderful summer!
Sincerely,
Mrs. Helen McCarthy

P.S. Math supplies: mechanical pencils, white board markers, a one-subject notebook, and a calculator.

DIRECTIONS:

- Work on packet three times a week for eight weeks
- Complete ALL problems
- Pencil ONLY
- Show ALL work. NO work = NO Grade
- Calculators are not needed
- Summer Math Packet will be test grade
- Due first day of school, September 5, 2017

Student Name _____

Parent Signature _____

Write the value of the underlined digit. (Objective 1A)

1. 8<u>1</u>3,956 _____
2. 45.008<u>0</u>3 _____
3. 0.0<u>9</u>5 _____
4. 2.00<u>7</u> _____
5. 1<u>3</u>,061,229 _____
6. 40<u>2</u>,000,000,000 _____

Order from least to greatest. (Objective 1B)

7. 8.50 8.05 5.88 _____
8. 12.9 12.19 12.91 _____
9. 0.303 0.3003 0.0303 _____
10. 4.28 4.028 4.128 _____

Round each number to the underlined place. (Objective 1B)

4,79<u>2</u>.31 _____
'6<u>0</u>,398 _____
0.<u>2</u>03 _____
4,849.3<u>3</u>7 _____
<u>5</u>,830 _____
45<u>6</u>,453 _____
9<u>4</u>5.93 _____
<u>1</u>4,556 _____

Compute. (Objectives 1C and 1D)

28 + 3.9 _____
12 − 8.31 _____
3,006 × 75 _____
0.28 × 17 _____
45.1 × 2.68 _____
1,208 ÷ 45 _____
0.036 ÷ 5 _____
66.3452 ÷ 9.4 _____

Write an equivalent fraction with the given denominator. (Objective 3C)

1. $\frac{3}{4} = \frac{\square}{12}$ _____
2. $\frac{2}{3} = \frac{\square}{21}$ _____
3. $\frac{5}{8} = \frac{\square}{48}$ _____
4. $\frac{11}{12} = \frac{\square}{36}$ _____
5. $\frac{4}{5} = \frac{\square}{45}$ _____
6. $\frac{6}{7} = \frac{\square}{28}$ _____
7. $\frac{7}{10} = \frac{\square}{450}$ _____
8. $\frac{12}{15} = \frac{\square}{90}$ _____

Write each fraction in its simplest form. (Objective 3C)

9. $\frac{15}{24}$ _____
10. $\frac{28}{35}$ _____
11. $\frac{28}{32}$ _____
12. $\frac{18}{21}$ _____
13. $\frac{12}{30}$ _____
14. $\frac{25}{40}$ _____
15. $\frac{24}{40}$ _____
16. $\frac{16}{100}$ _____

Write >, <, or = for each. (Objective 3D)

17. $\frac{5}{8} \bigcirc \frac{3}{4}$
18. $\frac{1}{2} \bigcirc \frac{2}{3}$
19. $3\frac{2}{5} \bigcirc 3\frac{1}{4}$
20. $\frac{7}{8} \bigcirc \frac{9}{10}$
21. $\frac{3}{5} \bigcirc \frac{2}{3}$
22. $2\frac{3}{7} \bigcirc 2\frac{1}{3}$
23. $\frac{5}{6} \bigcirc \frac{5}{7}$
24. $\frac{8}{12} \bigcirc \frac{28}{42}$
25. $5\frac{7}{9} \bigcirc 5\frac{4}{5}$
26. $8\frac{4}{5} \bigcirc 4\frac{5}{8}$
27. $\frac{5}{8} \bigcirc \frac{5}{9}$
28. $\frac{5}{8} \bigcirc \frac{5}{7}$

Write in order from least to greatest. (Objective 3D)

29. $\frac{4}{5}$ 0.77 $\frac{12}{20}$ _____
30. 5.4 5.38 $5\frac{1}{4}$ _____
31. 0.66 0.6 $\frac{2}{3}$ _____
32. $\frac{5}{8}$ 0.6 $\frac{4}{7}$ _____
33. $\frac{5}{6}$ $\frac{1}{4}$ $\frac{3}{8}$ _____
34. 0.16 $\frac{1}{5}$ $\frac{1}{10}$ _____
35. $\frac{3}{4}$ $\frac{3}{5}$ $\frac{3}{8}$ _____
36. $\frac{1}{2}$ 0.7 $\frac{3}{4}$ _____

Determine whether each fraction can be changed to a terminating decimal or a repeating decimal. (Objective 3D)

37. $\frac{7}{9}$ _____
38. $\frac{5}{6}$ _____
39. $\frac{3}{7}$ _____
40. $\frac{4}{5}$ _____
41. $\frac{2}{3}$ _____
42. $\frac{5}{8}$ _____
43. $\frac{3}{6}$ _____
44. $\frac{7}{15}$ _____
45. $\frac{6}{8}$ _____

Find each sum or difference. Write each answer in simplest form. (Objective 4A)

$\frac{3}{8} + \frac{1}{8}$ _____

$\frac{1}{6} + \frac{5}{6}$ _____

$3\frac{4}{5} - 2\frac{3}{5}$ _____

$2\frac{3}{8} - \frac{7}{8}$ _____

$\frac{1}{2} + \frac{1}{6} + \frac{2}{3}$ _____

$4\frac{5}{8} + 2\frac{3}{4} + 8\frac{1}{2}$ _____

$28\frac{1}{3} + 5\frac{7}{8}$ _____

$8\frac{5}{8} + 1\frac{4}{5} + \frac{7}{10}$ _____

$12 - 4\frac{3}{7}$ _____

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

$3\frac{1}{3} - 2\frac{5}{6}$ _____

$\frac{7}{9} - \frac{1}{2}$ _____

Multiply. Write each product in simplest form. (Objective 4B)

$8 \times \frac{3}{4}$ _____

$\frac{4}{5} \times 20$ _____

$\frac{2}{3} \times \frac{5}{6}$ _____

$\frac{4}{9} \times \frac{3}{4}$ _____

$\frac{2}{3} \times \frac{3}{8}$ _____

$12 \times \frac{7}{8}$ _____

$4\frac{1}{2} \times \frac{2}{3}$ _____

$2\frac{1}{8} \times 4\frac{1}{6}$ _____

$5\frac{2}{3} \times \frac{16}{17}$ _____

$9 \times 4\frac{5}{6}$ _____

$2\frac{3}{16} \times \frac{4}{7}$ _____

$4\frac{2}{5} \times 6\frac{1}{2}$ _____

$\frac{3}{8} \div \frac{2}{3}$ _____

$8 \div \frac{2}{3}$ _____

$\frac{1}{2} \div 4$ _____

$3 \div \frac{1}{3}$ _____

$10 \div \frac{2}{5}$ _____

$1\frac{5}{6} \div 3\frac{2}{3}$ _____

$25\frac{7}{8} \div 8\frac{5}{8}$ _____

$1\frac{9}{10} \div 2\frac{3}{8}$ _____

Write each ratio as a percent or each percent as a ratio.

$\frac{3}{50}$	$\frac{9}{20}$	$\frac{7}{10}$	$\frac{3}{25}$
_____	_____	_____	_____
78%	60%	42%	15%
_____	_____	_____	_____

Write each decimal in percent form.

0.39 _____ 0.06 _____ 0.7 _____ 0.92 _____

Order each set from the greatest to the least parts of a unit.

0.5 67% $\frac{2}{3}$ _____ 88% 0.04 $\frac{3}{4}$ _____

0.02 6% $\frac{1}{10}$ _____ $\frac{2}{5}$ 0.2 80% _____

99% 0.75 $\frac{9}{10}$ _____ $\frac{7}{20}$ 15% 0.5 _____

Solve. Use any method.

60% of 50 _____ 10% of 80 _____

8% of 10 _____ 40% of 75 _____

What percent of 25 is 40? _____ 90 is what percent of 10? _____

12 is 25% of what number? _____ 50% of what number is 410? _____

801 is 90% of what number? _____ 8% of what number is 72? _____

A bicycle is on sale for 20% off. The original price was $496. What is the new price?

_____

A telephone is priced at $32.95. Sales tax is 8%. Find the total cost of the telephone.

_____