



# SAINT JAMES ELEMENTARY SCHOOL

## Rising 5th Grade

### Math Packet

Dear Incoming Sixth Grade Students and Parents,

Congratulations on your successful completion of fifth grade! We are so excited that you will be joining us in the sixth grade! It is our hope that this summer packet will help you begin preparations for the upcoming school year.

Parents, please assist your child by supporting them as they complete the summer packet. The attached work should be completed over the summer and returned to your child's teacher no later than the **first Friday** of the first week of school to receive credit.

We look forward to a productive and

enjoyable school year. **Have a safe and**

**wonderful summer!**

Sincerely,

The Sixth Grade Team

# Summer Math Packet

The attached packet provides a range of activities that review and expand on the math concepts your child has learned in fifth grade. It is designed to be worked on for 15 to 30 minutes a day throughout the summer, rather than completed in just a few days at the beginning or end of summer.

The goal is to keep skills sharp to be ready to move forward into the next school year. It is our hope that the summer packet will be a great place to start practicing routines and implementing expectations for sixth grade.

If you find areas of mathematics that are more challenging, please make note to share with your teacher once you return. When you have completed the entire packet please have your parents initial the packet.

This assignment is due on the **first Friday** of the first week of school. It will count as a math project grade. To receive full credit, you must:

- Submit your work on time.
- Properly show your work.

**Please note:** If an assignment is not submitted on time, students are responsible for submitting the late assignment within three (3) school days following the due date. **Five (5) points will be deducted per school day and will result in a zero on the fourth (4<sup>th</sup>) day.**

## Entering Sixth Grade Summer Math Packet

Name: \_

1. Eunice bought a purse that cost \$12.57. She gave the clerk a \$50 bill. How much change should she get back? What bills and coins might the clerk give her?

2. Jayr bought a computer game that cost \$38.75. He gave the clerk a \$100 bill. How much change should he get back?

3. What is the mode for the following 8 numbers?  
22, 20, 22, 26, 30, 18, 22, 20

4. Gabrielle bought her friend a bracelet kit for \$18.59, a necklace for \$9.99, and a birthday card for \$4.59. How much did she spend in all for her friend's birthday?

5. What is the mode of the following seven numbers? 36, 28, 28, 39, 38, 39, 32

6. Morgan reads 4 chapters in her book every day. If she reads at this rate for 11 days, how many chapters did she read in all?

7. Kaylah had the following money in her pocket: 5 dollars, 8 quarters, 7 dimes, and 9 nickel. How much money did Kaylah have in all?

8. The Wizards scored 45 points in the first half of the game and 65 points in the second half. The Celtics scored 36 points in the first half of the game and 76 points in the second half. Which team won?

9. Jaden scored 15,345 points playing his favorite computer game. Thomas scored 8,715 points playing the same game. How many more points did Jaden score than Thomas?

10. Madison collected 456 box tops. Karrington collected 391 box tops, and Kaylah collected 305 box tops. How many box tops did they collect in all?

11. What is the median for the following 7 numbers? 31, 36, 35, 32, 39, 32, 37

12. Which is the word name for the decimal 0.85?

- A. 85 tenths
- B. 85 hundredths
- C. 85 thousandths
- D. 85 ones

13. Which is the word name for the decimal 0.9?

- A. 9 tenths
- B. 9 hundredths
- C. 9 thousandths
- D. 9 ones

14. Round 122,386 to the nearest ten thousand.

15. Round 124,289 to the nearest thousand.

16. Estimate the sum of 1296 and 7011.

<p>17. Put the following numbers in order from least to greatest:</p> <p>128,232</p> <p>135,840</p> <p>217,881</p> <p>123,376</p> <p>135,699</p>	<p>18. Solve the following problems for <math>n=7</math>.</p> <p><math>5 + n =</math></p> <p><math>8 \times n =</math></p> <p><math>49 \div n =</math></p>
<p>19.</p> <p>Alexis is making bracelets for a school fundraiser. It takes her 43 minutes to make one bracelet. She makes 8 bracelets in all. How long does it take Alexis to make the bracelets?</p>	<p>20. Ms. Smith fills up her gas tank at Shell Gas Station. She put 11 gallons in her tank. Each gallon cost \$4.79.</p> <p>How much money did Ms. Smith have to pay to fill her tank?</p>

<p>21. Lena had the following scores on her last four math tests: 26, 38, 38, 42</p> <p>Janine had the following scores on her last four tests: 22, 37, 40, 48</p> <p>Who had the highest total score on their math tests? Lena or Janine?</p>	<p>22. The fifth grade collected 1,936 box tops. Each box top earns them one nickel. How much money did the fifth graders make on the box top collections?</p>
<p>23. Michael bought 12 packs of football cards for \$7.99 each. Estimate how much Michael spent on football cards.</p>	<p>24. Write an equivalent fraction for</p> $\frac{5}{10}$



25. Write an equivalent fraction for

$$\frac{2}{4}$$

26. Reduce the following fractions:

$$\frac{8}{12}$$

$$\frac{9}{18}$$

$$\frac{6}{24}$$

27. Charles has the following bag of M&M's. What fraction of M&M's are red?

Color Number of

Red 8

Blue 15

Green 5

Yellow 3

Brown 6

28.

John's allowance is \$7.00 a day.  
Mark's allowance is \$35.00 per week. Who receives the most money?

29. Apples are on sale (6 apples for \$3.89). How much does each apple cost?

30. What is eight million, ninety-eight thousand, four hundred five written in standard form?

31. Joseph set a goal to do 10 math problems every day for 5 weeks (including weekends!). How many math problems will Joseph have finished by the end of 5 weeks?

32. Write these numbers in order from least to greatest:

675,175

675,715

675,571

6 75,751

33.

Jarell and Ariel went out for pizza. Jarell ate  $\frac{2}{4}$  of the pizza and Ariel ate  $\frac{1}{4}$  of it. What fraction of the pizza did they eat in all?

34.

On Track and field day, TJ threw a ball 96 feet. Thomas threw the ball 188 feet. How much further did Thomas throw the ball than TJ?

35. Write the missing numbers in the pattern below:

7, \_\_, 21, \_\_, 35, 42

36.

Jabari has different colored golf balls. He has 21 orange, 32 yellow, and 22 green golf balls. How many golf balls does Jabari have in all?

37. What operation should you do **first** to find the value of :  $15 - 5 \times 2 + 6$ ?

- A. add
- B. divide
- C. multiply
- D. subtract

38. Which list shows the operations in the correct order to find the value of the expression shown?

$$3 + 8 \div 2 - 5$$

- A. divide, subtract, add
- B. add, divide, subtract
- C. divide, add, subtract
- D. add, subtract, divide

39. If 40,000 pamphlets are mailed equally to 80 businesses, how many pamphlets will each business receive?

40. What is the mode of the following 6 numbers:

12, 10, 14, 14, 11, 9

**Practice. Please show work.**

<p>41. Add</p> $\begin{array}{r} 59,335 \\ +9,545 \\ \hline \end{array}$	<p>42. Subtract</p> $\begin{array}{r} 8,943 \\ -7,899 \\ \hline \end{array}$
<p>43. Multiply</p> $\begin{array}{r} 9,200 \\ \times 13 \\ \hline \end{array}$	<p>44. Add</p> $\begin{array}{r} 928 \\ +433 \\ \hline \end{array}$
<p>45. Subtract</p> $\begin{array}{r} 860 \\ -15 \\ \hline \end{array}$	<p>46. Multiply</p> $\begin{array}{r} 722 \\ \times 33 \\ \hline \end{array}$
<p>47. Add</p> $\begin{array}{r} 725 \\ +629 \\ \hline \end{array}$	<p>48. Subtract</p> $\begin{array}{r} 345 \\ -199 \\ \hline \end{array}$

**Long Division with remainders. Please show work.**

49. $99 \div 2 =$	50. $284 \div 9 =$
51. $537 \div 5 =$	52. $181 \div 8 =$
53. $39 \div 7 =$	54. $914 \div 9 =$
55. $94 \div 5 =$	56. $925 \div 9 =$

57. $586 \div 9 =$	58. $415 \div 9 =$
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**Long Division with remainders. Please show work.**

59.  
 $875 \div 9 =$

60.  
 $403 \div 6 =$

61.  
 $256 \div 3 =$

62.  
 $331 \div 5 =$

63.  
 $55 \div 3 =$

64.  
 $438 \div 5 =$

65.  
 $540 \div 8 =$

66.  
 $796 \div 8 =$

**Please show your work.**

<p>67. Shanta has to read a book that is 525 pages long. She has 21 days to read the book. How many pages will she need to read each day to finish on time?</p>	<p>68. Zion's family is going on vacation across the United States. They traveled 515 miles every day for 17 days. How many miles did they travel in all?</p>
<p>69. Three classes of 25 students collected 8 cans of soup from each student. The cans were then to be divided between 4 charities. How many cans of soup went to each charity?</p>	<p>70. Kayla has 12 cousins. She received \$20.00 from each cousin for her birthday. How much money did she receive in all?</p>
<p>71. Solve <math>647 \div 15 =</math></p>	<p>72. Find the prime factorization for 84.</p>
<p>73. <math>540 \div 8 =</math></p>	<p>74. <math>796 \div 8 =</math></p>



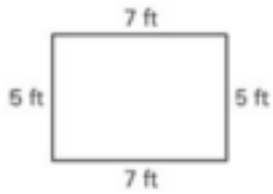
**Please show your work.**

<p>75. Change the improper fraction into a mixed number:</p> <p><math>11/3=</math></p> <p><math>6/5=</math></p> <p><math>21/5=</math></p>	<p>76. Change the improper fraction into a mixed number:</p> <p><math>45/8=</math></p> <p><math>65/8=</math></p> <p><math>83/7=</math></p>
<p>77. Change the mixed number into an improper fraction.</p> <p><math>3 \frac{1}{2}=</math></p> <p><math>9 \frac{1}{4}=</math></p> <p><math>5 \frac{3}{4}=</math></p>	<p>78. Change the mixed number into an improper fraction.</p> <p><math>6 \frac{1}{2}=</math></p> <p><math>3 \frac{1}{4}=</math></p> <p><math>8 \frac{3}{4}=</math></p>
<p>79. Order the decimals in order from greatest to least.</p> <p><b>246.8, 248.6, 244.9, 246.5</b></p>	<p>80. Order the decimals in order from least to greatest.</p> <p><b>297, 3.456, 64.4, 7.24</b></p>
<p>81. Order the decimals in order from least to greatest.</p> <p><b>794, 793.8, 794.65, 794.7</b></p>	<p>82. Order the decimals in order from greatest to least.</p> <p><b>14.8, 2.68, .879, 8.47</b></p>

**Add or subtract decimals. Please show your work.**

83.  <b><math>15.7 + 2.34 + 5.06 =</math></b>	84.  <b><math>64.038 + 164.8 + 15.7 =</math></b>
85.  <b><math>2.6 + 64.89 + 4.007 =</math></b>	86.  <b><math>12.9 + 2.008 + 75.9 =</math></b>
87.  <b><math>87.4 - 56.09 =</math></b>	88.  <b><math>5.908 - 4.72 =</math></b>
89.  <b><math>68.9 - 24.74 =</math></b>	90.  <b><math>955.3 - 242.7 =</math></b>

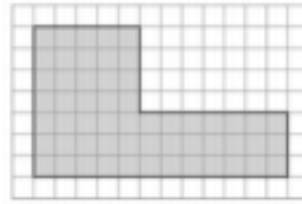
91. Find the area and perimeter of the following.



area \_\_\_\_\_

perimeter \_\_\_\_\_

92. Find the area and perimeter of the following.



area \_\_\_\_\_

perimeter \_\_\_\_\_

93. Add the fractions.

$$\frac{5}{10} + \frac{1}{2}$$

94. Subtract the fractions.

$$\frac{3}{4} - \frac{2}{8} =$$

95. Add the fractions.

$$\frac{7}{3} + \frac{1}{3} =$$

96. Add the fractions.

$$\frac{5}{8} + \frac{3}{4}$$

<p>97. Write the following number in expanded form.</p> <p>976,276=</p>	<p>98. Write the following number in expanded form:</p> <p>965,736=</p>
<p>99. Change the fractions into decimals:</p> <p>55/100=</p> <p>15/100=</p> <p>4/100=</p>	

100. Multiplication Practice. Please have someone time you.

Completed in \_\_\_\_\_ minutes.

4x3	3x1	5x0	11x11	5x2	9x3	12x0	9x2	11x9	9x3
2x0	4x5	3x2	5x1	9x4	11x10	12x1	6x4	12x4	6x10
6x0	2x1	4x6	3x3	5x2	5x3	11x12	2x5	6x9	12x3
11x1	6x1	2x3	4x0	4x8	3x5	2x10	9x9	10x1	10x11
8x12	5x6	8x3	9x6	2x5	3x7	4x10	8x5	8x6	12x5
6x3	10x3	5x7	2x6	2x7	2x8	3x8	4x11	10x0	6x12
9x0	5x8	6x4	9x8	7x9	8x4	7x8	3x9	4x12	9x10
9x11	6x5	5x9	5x10	2x11	7x6	3x12	8x7	3x10	4x1
10x4	6x6	1x12	8x0	5x11	11x3	9x7	3x11	4x2	7x3
6x7	11x2	12x6	8x1	11x6	5x12	2x12	1x10	7x4	11x4
10x5	8x2	12x7	11x8	1x0	7x5	1x9	8x11	1x11	7x2
7x2	6x8	10x6	1x1	10x7	1x8	8x10	9x12	7x1	11x5

5x5	12x12	1x2	4x2	1x7	10x8	11x7	7x7	8x9	12x8
12x11	1x3	8x2	1x6	10x9	12x9	7x0	3x9	8x8	10x10



**Congratulations!! You have completed the summer**

**math packet.**

