

# Summer Math

Mrs. Tilves

Name:



# Summer Math - Rising 6th Grade WEEK 1

<p>1. Evaluate the expression using order of operations:</p> $10 - 3 \times 2 + 5$ <p>A. 19 B. 10 C. 9 D. 7</p> <p style="text-align: right;"><b>5.OA.1</b></p>	<p>4. <math>58 \times 27 =</math></p> <p>A. 1,565 B. 1,566 C. 1,576 D. 1,567</p> <p style="text-align: right;"><b>5.NBT.5</b></p>
<p>2. <math>\frac{1}{6} + \frac{1}{3} =</math></p> <p>A. <math>\frac{1}{2}</math> B. <math>\frac{5}{6}</math> C. <math>\frac{1}{3}</math> D. <math>\frac{2}{6}</math></p> <p style="text-align: right;"><b>5.NF.1</b></p>	<p>5. What is the value of the underlined digit? <u>1</u>,485,109</p> <p>A. 80,000 B. 8,000 C. 800,000 D. 800</p> <p style="text-align: right;"><b>5.NBT.1</b></p>
<p>3. 17 km = _____ m</p> <p>A. 170 B. 1,700 C. 17,000 D. 170,000</p> <p style="text-align: right;"><b>5.MD.1</b></p>	<p>6. <math>27,940 \div 55 =</math></p> <p>A. 408 B. 409 C. 509 D. 508</p> <p style="text-align: right;"><b>5.NBT.6</b></p>

## Summer Math - Rising 6th Grade WEEK 2

<p>7. Complete the pattern:</p> $134 \div 1 = 134$ $134 \div 10 = 13.4$ $134 \div 100 = 1.34$ $134 \div 1000 = \underline{\hspace{2cm}}$ <p>A. 0.0134 B. 0.134 C. 1.34 D. 13.4</p> <p style="text-align: right;">5.NBT.2</p>	<p>10. <math>35.76 - 10.85 =</math></p> <p>A. 24.81 B. 25.81 C. 24.91 D. 25.91</p> <p style="text-align: right;">5.NBT.7</p>
<p>8. Juan bought 2 pairs of shoes that cost \$28.15 and \$21.99. What was the total cost of both pairs?</p> <p>A. \$49.24 B. \$49.14 C. \$50.24 D. \$50.14</p> <p style="text-align: right;">5.NBT.7</p>	<p>11. <math>\frac{3}{7} \times 7</math> will be _____ 7</p> <p>A. Equal to B. Greater than C. Less than D. Greater than or equal to</p> <p style="text-align: right;">5.NF.5a</p>
<p>9. <math>5.71 \times 4 =</math></p> <p>A. 22.84 B. 2.84 C. 21.84 D. 2.184</p> <p style="text-align: right;">5.NBT.7</p>	<p>12. Rebecca is framing a photo that has a width of 12 inches. The length of the photo is <math>1\frac{1}{3}</math> times as long as it is wide. What is the length of the photo?</p> <p>A. 8 inches B. 16 inches C. 24 inches D. 36 inches</p> <p style="text-align: right;">5.NF.5b</p>

# Summer Math- Rising 6th Grade WEEK 3

13.  $719 \times 8 =$

- A. 5,752
- B. 5,742
- C. 5,852
- D. 5,842

**5.NBT.5**

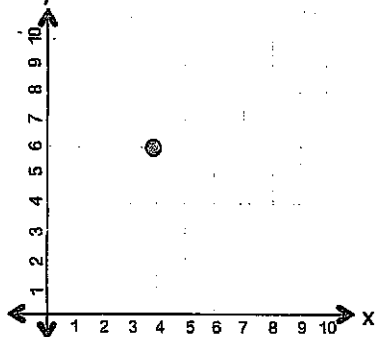
14. Mark has 8 pieces of pizza that he wants to give equally to 6 friends. How many pieces will each friend get?

- A.  $1\frac{2}{3}$
- B.  $1\frac{5}{6}$
- C.  $\frac{1}{48}$
- D.  $1\frac{1}{3}$

**5.NF.3**

15. What is the ordered pair for the given point?

- A. (6,4)
- B. (6,3)
- C. (4,6)
- D. (3,6)



**5.G.1**

16. Julia used a table to find how many chocolate chips to use for her chocolate chip cookies.

<b>Cups of Chocolate Chips in Cookies</b>				
<b>Cookies</b>	15	30	45	60
<b>Cups of Chocolate Chips</b>	1	2	3	4

What rule relates to the number of Cookies and the Cups of Chocolate Chips?

- A. Divide by 15
- B. Add 15
- C. Subtract 15
- D. Multiply by 5

**5.OA.3**

17. What is the volume of this rectangular prism?

- A. 4 unit cubes
- B. 12 unit cubes
- C. 16 unit cubes
- D. 20 unit cubes



**5.MD.3a**

# Summer Math - Rising 6th Grade WEEK 4

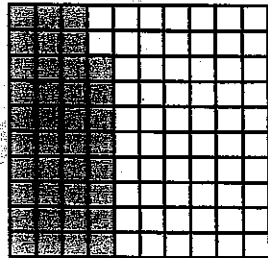
18. It costs \$8.95 to play mini-golf. If Eric plays 3 times, how much total did it cost?

- A. \$24.75
- B. \$24.85
- C. \$26.85
- D. \$26.75

5.NBT.7

19. What is the decimal shown by the shaded part?

- A. 0.38
- B. 3.8
- C. 38
- D. 380



5.NBT.1

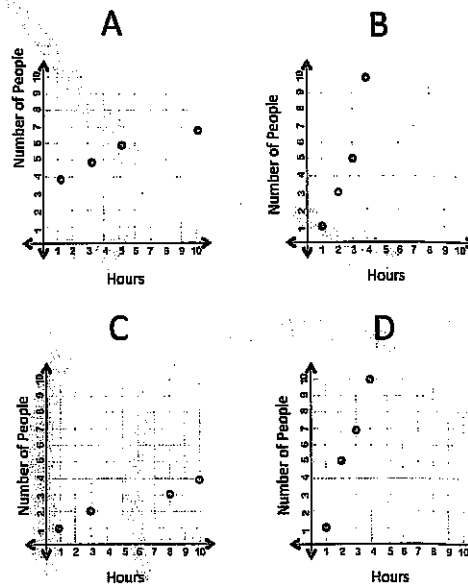
20.  $4.31 - 2.5 =$

- A. 2.71
- B. 2.81
- C. 1.71
- D. 1.81

5.NBT.7

21. The data in the table below shows the number of people at the beach 1 hour, 2 hours, 3 hours, and 4 hours after noon. Which graph below display this data?

Number of People at Beach				
Hours after noon	1	2	3	4
Number of People	1	3	5	10



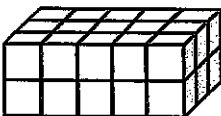
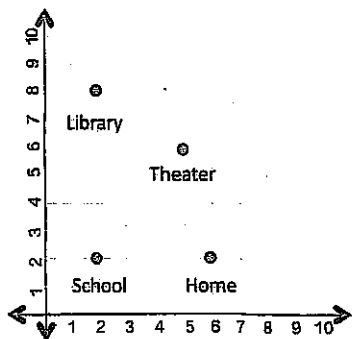
5.G.2

22.  $5\frac{3}{5} - 2\frac{3}{10} =$

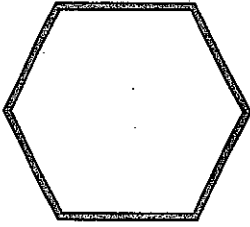

- A.  $2\frac{3}{10}$
- B.  $3\frac{3}{10}$
- C.  $3\frac{3}{5}$
- D.  $2\frac{3}{5}$

5.NF.1

# Summer Math - Rising 6th Grade WEEK 5

<p>23. Use rounding to estimate  <i>(Nearest whole number)</i>  <math>5.02 + 0.89 + 1.9</math></p> <p>A. 9            B. 6            C. 7            D. 8</p> <p style="text-align: right;"><b>5.NBT.7</b></p>	<p>26. <math>\frac{1}{6} \times 24 =</math></p> <p>A. 4            B. 5            C. 6            D. 7</p> <p style="text-align: right;"><b>5.NF.4a</b></p>
<p>24. <math>3\frac{1}{2} \times 1\frac{1}{7} =</math></p> <p>A. 3            B. 4            C. 6            D. 5</p> <p style="text-align: right;"><b>5.NF.6</b></p>	<p>27. Evaluate the expression</p> <p style="text-align: center;"><math>50 \div [(2 \times 3) + (4 \div 1)]</math></p> <p>A. 20            B. 15            C. 10            D. 5</p> <p style="text-align: right;"><b>5.OA.1</b></p>
<p>25. What is the volume if the length of 1 cube is 1 foot?</p> <p>A. <math>30 \text{ ft}^3</math>            B. <math>24 \text{ ft}^3</math>            C. <math>15 \text{ ft}^3</math>            D. <math>40 \text{ ft}^3</math></p> <div style="text-align: center; margin: 10px 0;">  </div> <p style="text-align: right;"><b>5.MD.5a, 5.MD.4, 5.MD.3b</b></p>	<p>28. Each unit is 1 mile. How far is the school from home?</p> <p>A. 3 miles            B. 6 miles            C. 4 miles            D. 5 miles</p> <div style="text-align: center; margin: 10px 0;">  </div> <p style="text-align: right;"><b>5.G.2</b></p>

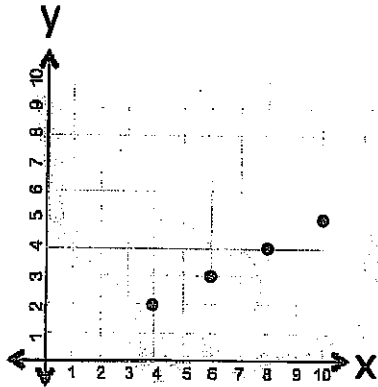
# Summer Math - Rising 6th Grade WEEK 6

<p>29. <math>1880 \div 48 =</math></p> <p>A. 39 R8 B. 39 R7 C. 38 R7 D. 38 R8</p> <p style="text-align: right;"><b>5.NBT.6</b></p>	<p>32. Name the place value to which this number was rounded.</p> <p style="text-align: center;">0.826 to 0.83</p> <p>A. Hundreds B. Ones C. Tenths D. Hundredths</p> <p style="text-align: right;"><b>5.NBT.4</b></p>
<p>30. Natalie received \$25 for her birthday. She used \$10.15 of her birthday money to buy a gift for her friend. How much money did she have left?</p> <p>A. \$14.75 B. \$14.85 C. \$15.75 D. \$15.85</p> <p style="text-align: right;"><b>5.NBT.7</b></p>	<p>33. <math>0.06 \times 0.8 =</math></p> <p>A. 4.8 B. 0.48 C. 0.048 D. 0.0048</p> <p style="text-align: right;"><b>5.NBT.7</b></p>
<p>31. What type of polygon is shown below?</p> <p>A. Hexagon B. Heptagon C. Octagon D. Pentagon</p> <div style="text-align: center;"></div> <p style="text-align: right;"><b>5.G.3</b></p>	<p>34. How would you describe this triangle?</p> <p>A. Isosceles and acute B. Isosceles and right C. Scalene and acute D. Scalene and right</p> <div style="text-align: center;"></div> <p style="text-align: right;"><b>5.G.3</b></p>

# Summer Math - Rising 6th Grade WEEK 7

35. Using the graph and the table of ordered pairs, what is the missing number in the table?

x	y
10	5
8	4
6	3
4	



- A. 2
- B. 3
- C. 4
- D. 5

5.OA.3

37. Order from greatest to least

1.6, 1.61, 1.06, 1.66

- A. 1.6, 1.06, 1.61, 1.66
- B. 1.06, 1.6, 1.61, 1.66
- C. 1.66, 1.61, 1.6, 1.06
- D. 1.66, 1.61, 1.06, 1.6

5.NBT.3b

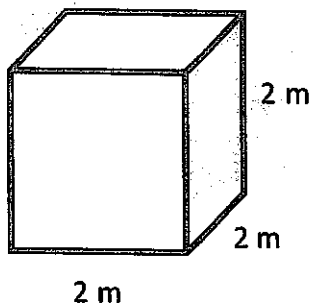
38.  $\frac{1}{4} \times \frac{3}{5} =$

- A.  $\frac{3}{9}$
- B.  $\frac{5}{20}$
- C.  $\frac{1}{3}$
- D.  $\frac{3}{20}$

5.NF.4b

36. Find the volume of the cube.

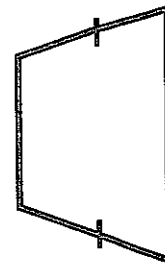
- A.  $6 \text{ m}^3$
- B.  $8 \text{ m}^3$
- C.  $4 \text{ m}^3$
- D.  $10 \text{ m}^3$



5.MD.5b

39. What type of quadrilateral is shown below?

- A. trapezoid
- B. rhombus
- C. rectangle
- D. square



5.G.4



# Summer Math - Rising 6th Grade WEEK 8

40.  $1,752 \div 8 =$

- A. 119
- B. 219
- C. 218
- D. 209

5.NBT.6

41. John has  $\frac{1}{2}$  of an apple pie that he wants to divide evenly among 4 people. How much pie would each of the 4 people have?

- A.  $\frac{1}{2}$
- B.  $\frac{1}{3}$
- C.  $\frac{1}{8}$
- D.  $\frac{1}{6}$

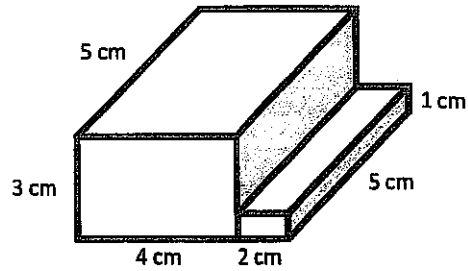
5.NF.7a

42.  $6 \times 10^3 =$

- A. 6003
- B. 610
- C. 600
- D. 6000

5.NBT.2

43. Find the volume of this figure.



- A.  $70 \text{ cm}^3$
- B.  $19 \text{ cm}^3$
- C.  $100 \text{ cm}^3$
- D.  $35 \text{ cm}^3$

5.MD.5

44.  $0.07 \overline{)0.315}$

- A. 4.5
- B. 45
- C. 450
- D. 0.45

5.NBT.7

# Summer Math - Rising 6th Grade WEEK 9

45. Sheila has 20 contacts in her phone and then adds 5 more. Write an expression to match the words.

- A.  $20 + 5$
- B.  $20 - 5$
- C.  $20 + 5 = 25$
- D.  $20 - 5 = 15$

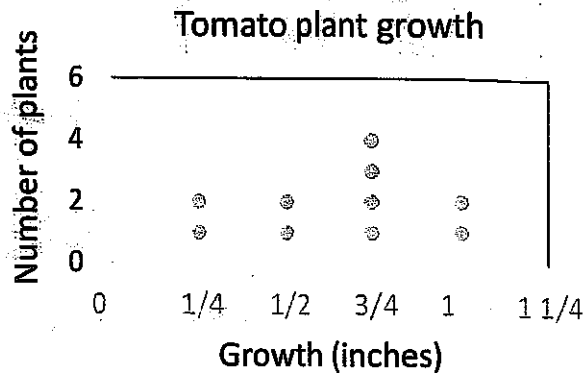
5.OA.2

46. Tony is making waffle batter that needs 2 cups of flour. If he uses a  $\frac{1}{3}$  cup measuring cup, how many times will he have to fill it to have 2 cups total?

- A. 2
- B. 3
- C. 6
- D. 12

5.NF.7b

48. Helen measured how much her tomato plants grew over a week. The information for 10 tomato plants is displayed in the dot plot below.



How many total inches did these 10 tomato plants grow?

- A.  $6 \frac{1}{4}$
- B.  $6 \frac{1}{2}$
- C. 6
- D.  $5 \frac{1}{2}$

5.MD.2

47. Jose bought 3 books that cost \$21, \$10, and \$17. He wrote the equation as:

$$(21 + 10) + 17 = 21 + (10 + 17)$$

Which property did he use?

- A. Associative Property of Addition
- B. Identity Property of Addition
- C. Distributive Property
- D. Commutative Property of Addition

5.NBT.6

49. The eraser has a diameter of 0.042 meters. What is 0.042 in word form?

- A. Forty-two
- B. Forty-two tenths
- C. Forty-two hundredths
- D. Forty-two thousandths

5.NBT.3a

## Summer Math - Rising 6th Grade WEEK 10

50.  $\frac{3}{5} - \frac{1}{10} =$

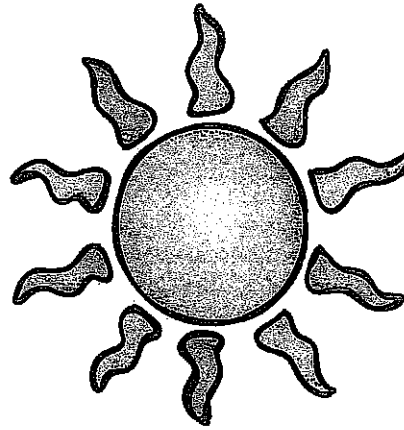
A.  $\frac{1}{5}$

B.  $\frac{7}{10}$

C.  $\frac{1}{2}$

D.  $\frac{3}{5}$

5.NBT.3a



51. Nicole has  $\frac{1}{2}$  quart of soda to pour equally into 8 glasses. Which equation represents the fraction of a quart of soda,  $q$ , that is in each glass?

A.  $\frac{1}{2} \div 8 = q$

B.  $8 \div \frac{1}{2} = q$

C.  $\frac{1}{2} \times 8 = q$

D.  $8 + \frac{1}{2} = q$

5.NF.2

52. 12 yards = \_\_\_\_\_ feet

A. 4

B. 36

C. 8

D. 18

5.MD.1

Congratulations!  
You have finished the  
Summer Math Packet.  
Enjoy the rest of  
the summer

