June 2025

Dear Incoming Sixth Grader,

Here is your summer math packet, which will help you retain your math skills over the summer. Please complete each problem and show all your steps used to arrive at the answer. Do not use a calculator. The packet is due Friday, August 29, 2025. If you have any questions you may email me rkraus@stmarybethelct.org.

Have a great summer.

Sincerely,

Mrs. Kraus

Mrs. Kraus

Name: _____ Date:_____

Summer Math Review of 5th Grade Recording Sheet

Please record your answers below. Use A, B, C, or D

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

Summer Math Review of 5th Grade WEEK I

1. Evaluate the expression using order of operations:

$$10 - 3 \times 2 + 5$$

A. 19

B. 10

C. 9

D. 7

5.OA.1

2. $\frac{1}{6} + \frac{1}{3} =$

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

B. $\frac{5}{6}$

C. $\frac{1}{3}$

D. $\frac{2}{6}$

5.NF.1

3. 17 km = _____ m

A. 170

B. 1,700

C. 17,000

D. 170,000

5.MD.1

4. 58 x 27=

A. 1,565

B. 1,566

C. 1,576

D. 1,567

5.NBT.5

5. What is the value of the underlined digit? 1,4<u>8</u>5,109

A. 80,000

B. 8,000

C. 800,000

D. 800

5.NBT.1

6. 27,940 ÷ 55 =

A. 408

B. 409

C. 509

D. 508

5.NBT.6

Summer Math Review of 5th Grade WEEK 2

7. Complete the pattern:

$134 \div 1 = 134$
$134 \div 10 = 13.4$
$134 \div 100 = 1.34$
$134 \div 1000 =$ _____

A. 0.0134
B. 0.134
C. 1.34
D. 13.4

5.NBT.2

8. Juan bought 2 pairs of shoes that cost $28.15 and $21.99. What was the total cost of both pairs?

A. $49.24
B. $49.14
C. $50.24
D. $50.14

5.NBT.7

9. 5.71 x 4 =

A. 22.84
B. 2.84
C. 21.84
D. 2.184

5.NBT.7

10. 35.76 – 10.85 =

A. 24.81
B. 25.81
C. 24.91
D. 25.91

5.NBT.7

11. $\frac{3}{7} \times 7$ will be _____ 7

A. Equal to
B. Greater than
C. Less than
D. Greater than or equal to

5.NF.5a

12. Rebecca is framing a photo that has a width of 12 inches. The length of the photo is $1\frac{1}{3}$ times as long as it is wide. What is the length of the photo?

A. 8 inches
B. 16 inches
C. 24 inches
D. 36 inches

5.NF.5b

Summer Math Review of 5th Grade WEEK 3

13. 719 x 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. $1\frac{2}{3}$

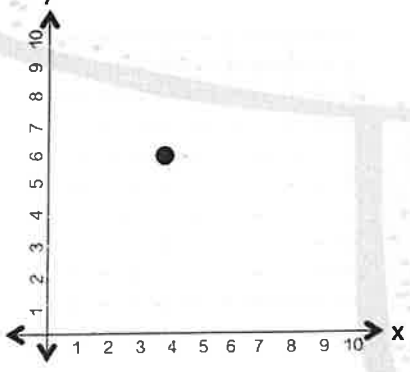
B. $1\frac{5}{6}$

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.

Cups of Chocolate Chips in Cookies				
Cookies	15	30	45	60
Cups of Chocolate Chips	1	2	3	4

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

A. Divide by 15

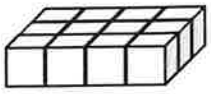
B. Add 15

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 Review of 5th 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

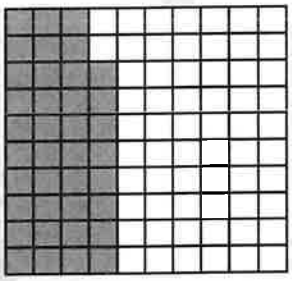
B. $24.85

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

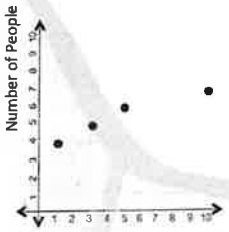
D. 1.81

5.NBT.7

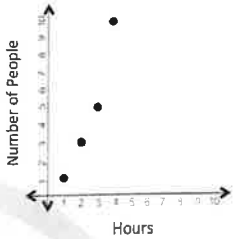
21. The data in the table below shows the number of people at the beach 1 hour, 2 hours, 3 hours, and 4 hours after noon. Which graph below display this data?

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

A



B



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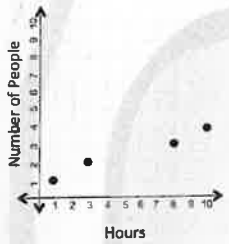
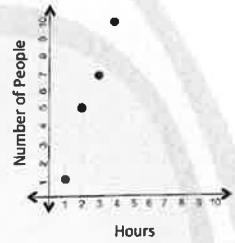


D



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 Review of 5th Grade WEEK 5

23. Use rounding to estimate

$5.02 + 0.89 + 1.9$

A. 9

B. 6

C. 7

D. 8

5.NBT.7

24. $3\frac{1}{2} \times 1\frac{1}{7} =$

A. 3

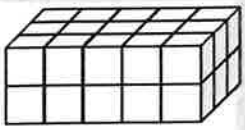
B. 4

C. 6

D. 5

5.NF.6

25. What is the volume if the length of 1 cube is 1 foot?



A. 30 ft^3

B. 24 ft^3

C. 15 ft^3

D. 40 ft^3

5.MD.5a, 5.MD.4, 5.MD.3b

26. $\frac{1}{6} \times 24 =$

A. 4

B. 5

C. 6

D. 7

5.NF.4a

27. Evaluate the expression

$$50 \div [(2 \times 3) + (4 \div 1)]$$

A. 20

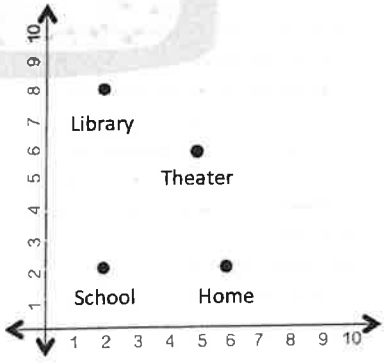
B. 15

C. 10

D. 5

5.OA.1

28. Each unit is 1 mile. How far is the school from home?



A. 3 miles

B. 6 miles

C. 4 miles

D. 5 miles

5.G.2

Summer Math Review of 5th Grade WEEK 6

29. 1880 ÷ 48 =

A. 39 R8

B. 39 R7

C. 38 R7

D. 38 R8

5.NBT.6

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?

A. $14.75

B. $14.85

C. $15.75

D. $15.85

5.NBT.7

31. What type of polygon is shown below?

A. Hexagon

B. Heptagon

C. Octagon

D. Pentagon

5.G.3

32. Name the place value to which this number was rounded.

0.826 to 0.83

A. Hundreds

B. Ones

C. Tenths

D. Hundredths

5.NBT.4

33. 0.06 x 0.8 =

A. 4.8

B. 0.48

C. 0.048

D. 0.0048

5.NBT.7

34. How would you describe this triangle?

A. Isosceles and acute

B. Isosceles and right

C. Scalene and acute

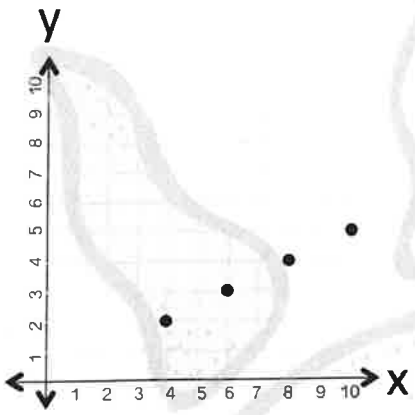
D. Scalene and right

5.G.3

Summer Math Review of 5th 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

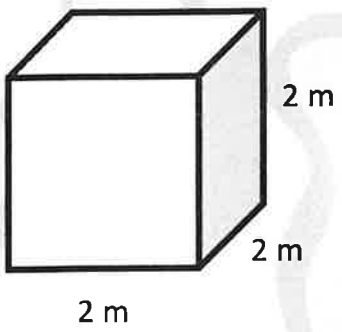
36. Find the volume of the cube.

A. 6 m^3

B. 8 m^3

C. 4 m^3

D. 10 m^3



5.MD.5b

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. $\frac{3}{9}$

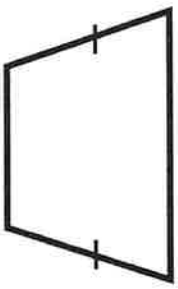
B. $\frac{5}{20}$

C. $\frac{1}{3}$

D. $\frac{3}{20}$

5.NF.4b

39. What type of quadrilateral is shown below?



A. trapezoid

B. rhombus

C. rectangle

D. square

5.G.4

Summer Math Review of 5th Grade WEEK 8

40. 1,752 ÷ 8 =

A. 119

B. 219

C. 218

D. 209

5.NBT.6

41. John has ½ 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. 6×10^3 =

A. 6003

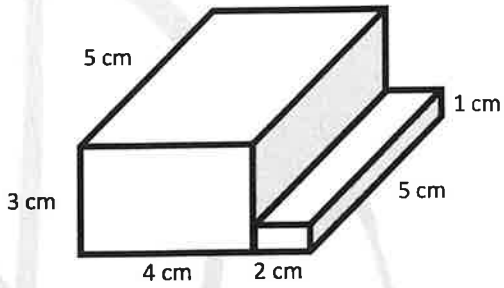
B. 610

C. 600

D. 6000

5.NBT.2

43. Find the volume of this figure.



A. 70 cm^3

B. 19 cm^3

C. 100 cm^3

D. 35 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 Review of 5th Grade WEEK 9

45. Sheila has 20 contacts in her phone and then adds 5 more. Write an <u>expression</u> 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 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

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

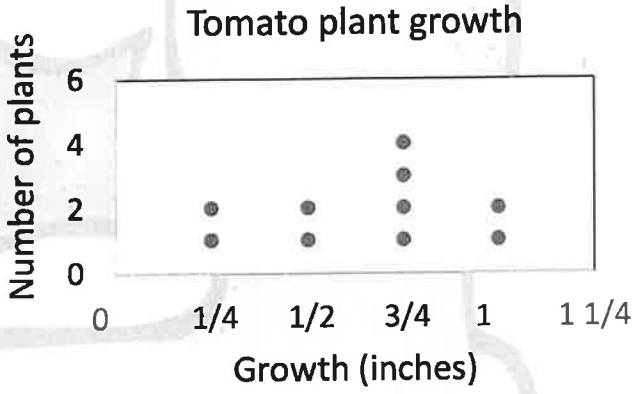
(21 + 10) + 17 = 21 + (10 + 17)

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

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 ¼

B. 6 ½

C. 6

D. 5 ½

5.MD.2

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 Review of 5th 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 ½ 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. ½ ÷ 8 = q

B. 8 ÷ ½ = q

C. ½ x 8 = q

D. 8 + ½ = 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

Metric Conversion

King	Henry	Died	Unusually	Drinking	Chocolate	Milk
Kilo	Hecto	Deca	* Unit *	Deci	Centi	Milli
10 x 10 x 10 x LARGER than a unit 	**10 x 10 x LARGER than a unit**	**10 x LARGER than a unit**	***Meter*** *(length)* ***Liter*** *(liquid volume)* ***Gram*** *(mass/weight)*	**10 x SMALLER than a unit**	**10 x 10 x SMALLER than a unit**	**10 x 10 x 10 x SMALLER than a unit** 
1 kilo = 1,000 units	1 hecto = 100 units	1 deca = 10 units	**1 unit**	10 deci = 1 unit	100 centi = 1 unit	1,000 milli = 1 unit
km = kilometer kL = kiloliter kg = kilogram	hm = hectometer hL = hectoliter hg = hectogram	dam = decameter daL = decaliter dag = decagram	m = meter L = liter g = gram	dm = decimeter dL = deciliter dg = decigram	cm = centimeter cL = centiliter cg = centigram	mm = millimeter mL = milliliter mg = milligram
Example: 5 kilo	50 hecto	500 deca	5,000 units	50,000 deci	500,000 centi	5,000,000 milli

DIVIDE numbers by 10 if you are getting bigger (same as moving decimal point one space to the left)

MULTIPLY numbers by 10 if you are getting smaller (same as moving decimal point one space to the right)