Summer Math Packet

For Students Entering Grade 5

2018

Dear Parents,

Here at St. Francis Xavier, we want our students to be successful in mathematics. In order to be successful in math, students must consistently keep up with their math facts at home. Along with math facts, it is important that students review the concepts learned from grade 4 throughout the summer months, so that they don't become too rusty when we begin again (in grade 5!) in August.

This packet is divided into eight weekly sections. This packet will be most helpful to each student if they complete one section per week *throughout* the summer, instead of waiting until the last minute. All students are required to complete this packet. It will count as a quiz grade upon their return to school. Calculators are not permitted, and all work should be shown in order for each student to receive credit.

Please note that the effort put into this assignment is more important than having the correct answer for each problem. If you lose this document, you can find it on the school website. Also, it is not required that students complete khan academy time throughout the summer, but it would be helpful! Thank you for your cooperation.

Name: _____ **WEEK 1**

Multiply.

10 x 6	10 x 3	4 x 5	3 x 1	11 x 8	12 x 10	5 x 6	8 x 4	5 x 12	9 x 1
9 x 12	12 x 4	9 x 8	8 x 4	4 x 1	7 x 6	12 x 11	4 x 1	8 x 2	12 x 10
7 x 11	8 x 12	9 x 9	11 x 3	5 x 7	8 x 12	10 x 8	6 x 4	12 x 5	4 x 5

Round the following numbers to the underlined digit.

1) 5<u>4</u>,239 2) <u>1</u>.55 3) <u>2</u>7.1 4) 1,<u>6</u>05 5) <u>1</u>82,500

Write the standard form of the number given.

6) five hundred forty two thousand, nine hundred nine _____

Write the word form of the number given.

7) 9,201,690 12 _____

8) 0.24 _____

Write the value of the underlined digit.

9) 2,<u>2</u>42 _____ 10) 63,666 _____

Place a comma where needed in the following numbers.

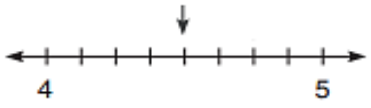
11) 1 0 2 3 7 12) 5 4 2 1 0 0

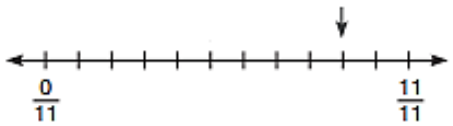
Compare using <, >, =.

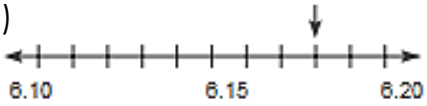
13) 34,245 ____ 34,245 14) 709,069 ____ 709,075

Name: _____ **WEEK 2**

Label the part of each number line that the arrow points to.

A) 

B) 

C) 

_____ _____ _____

Multiply.

1. $\begin{array}{r} 450 \\ \times\ 62 \\ \hline \end{array}$

2. $421 x 6

3. $\begin{array}{r} 63 \\ \times\ 25 \\ \hline \end{array}$

Divide. Use multiplication to check your work!

4. $9\overline{)324}$

Check

5. $52 ÷ 8

Check

6. $6\overline{)5736}$

Check

Write the following numbers in expanded form.

7. 4,302,500 _____

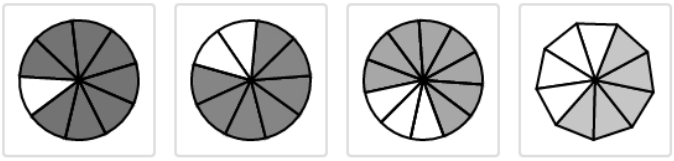
8. 44,321 _____

9. 298,320 _____

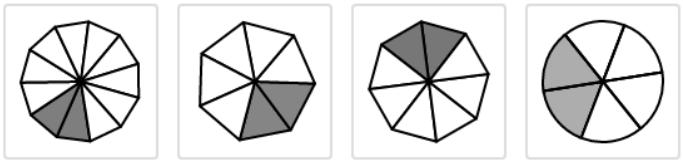
Name: _____ **WEEK 3**

Circle the correct answer.

1. Which shape shows the fraction $\frac{8}{9}$?



2. Which shape shows the fraction $\frac{2}{8}$?



Write the following fractions in lowest terms (simplify).

3. $\frac{2}{14}$ 4. $\frac{9}{18}$ 5. $\frac{3}{24}$ 6. $\frac{11}{55}$ 7. $\frac{3}{39}$

Compare the two fractions in the problems below.

8. $\frac{2}{8}$ ____ $\frac{1}{2}$ 9. $\frac{14}{21}$ ____ $\frac{5}{7}$ 10. $\frac{9}{27}$ ____ $\frac{2}{9}$

Add or subtract the following fractions, then simplify your answer.

11. $\frac{2}{8} + \frac{1}{8} =$ 12. $\frac{8}{9} - \frac{2}{9} =$ 13. $\frac{6}{10} + \frac{20}{100} =$ 14. $\frac{50}{100} + \frac{3}{10} =$

Solve.

15. $\frac{2}{3}\ of\ 9 =$ 16. $\frac{3}{5}\ of\ 5 =$

WEEK 3 continued…

Make the fractions equivalent by filling in the missing numerator or denominator.

17. $\frac{1}{3} = \frac{\ }{12}$ 18. $\frac{1}{2} = \frac{9}{\ }$ 19. $\frac{3}{7} = \frac{\ }{14}$ 20. $\frac{2}{3} = \frac{6}{\ }$

Multiply.

21.
$$\begin{array}{r} 46 \\ \times\ 78 \\ \hline \end{array}$$

22.
$$\begin{array}{r} 9{,}308 \\ \times\ 3 \\ \hline \end{array}$$

23.
$$\begin{array}{r} 49 \\ \times\ 82 \\ \hline \end{array}$$

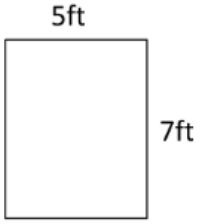
Name: _____ **WEEK 4**

Find the area.

1.

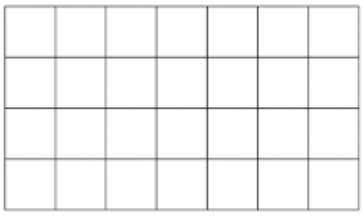
Area = _____ square cm

2.



Area = _____ square ft

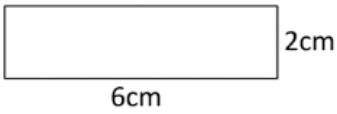
3.



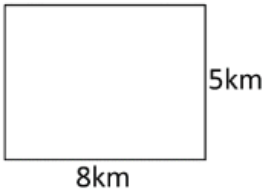
Area = _____ square cm

Find the perimeter.

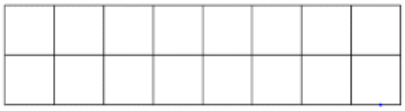
4.



5.



6.

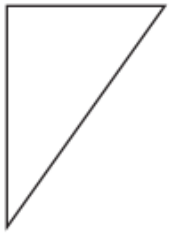


Label the following triangles acute, obtuse or right based on the sizes of their angles.

7.

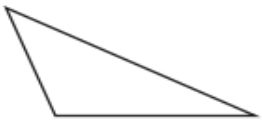
_____

8.



_____

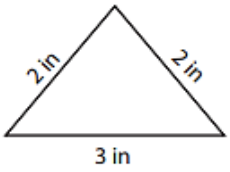
9.



_____

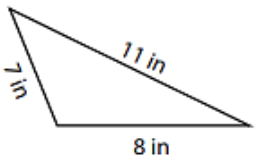
Label the following triangles scalene, isosceles or equilateral based on the lengths of their side.

10.



_____

11.



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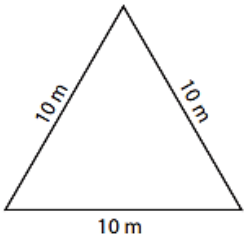
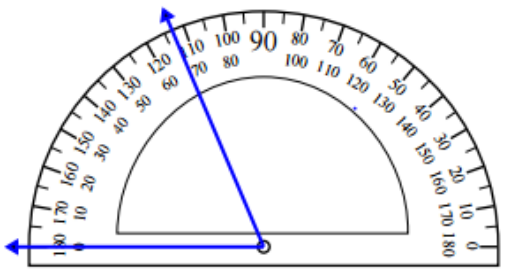
12.



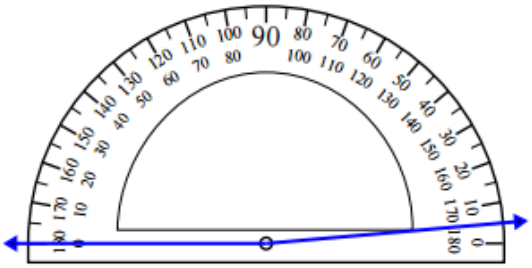
_____

Find the measures of the angles being shown on each protractor.

13.



14.



Name: _____ **WEEK 5**

Find the sum.

1. 18 + 65 + 69 = _____

2. 70 + 94 + 91 = _____

3. 78 + 23 + 81 = _____

4. 37 + 76 + 88 = _____

Find the difference.

1. 3,920 - 2,219 = _____

2. 2,369 - 1,223 = _____

3. 5,783 - 1,152 = _____

4. 991 - 891 = _____

5. 7,800 - 3,113 = _____

6. 5,195 - 1,849 = _____

Find the product.

1. 12 x 18 =

2. 52 x 54 =

3. 33 x 27 =

4. 61 x 14 =

Find the quotient.

1. 8120 ÷ 8 =

2. 6380 ÷ 4 =

3. 981 ÷ 9 =

4. 612 ÷ 3 =

Geometry/lines Review:

1) Draw a ray.

2) Draw a line segment.

3) Draw a line.

4) Draw a point.

5) Draw a rectangle.

6) Draw a trapezoid.

7) Draw a rhombus.

8) Draw a parallelogram.

9) Draw two perpendicular lines.

10) Draw two parallel lines.

11) Draw two intersecting lines.

Name: _____ (mixed grade 4 review) **WEEK 6**

1. A rectangular shop in the mall is 5 meters wide and 10 meters long. What is its area?

Add the following amounts of money.

2. $14.20 + $15.10

3. $2.25 + $3.75

4. $1.80 + $2.20

Write all of the factors of the following numbers, then circle prime or composite.

5. **91**

prime composite

6. **15**

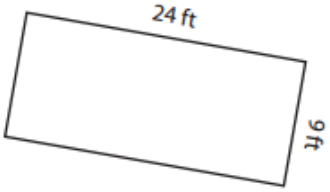
prime composite

7. **19**

prime composite

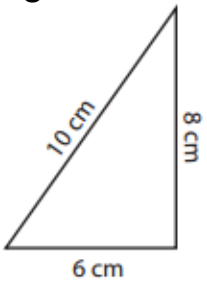
Find the perimeter of the following rectangles and triangles.

8.



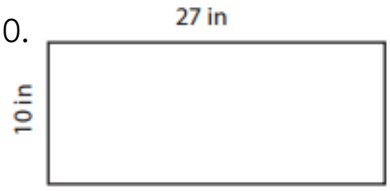
Perimeter = _____

9.



Perimeter = _____

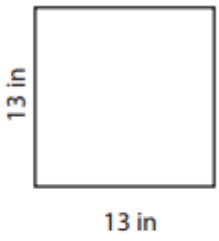
10.



Perimeter = _____

Find the area and perimeter of the following rectangles.

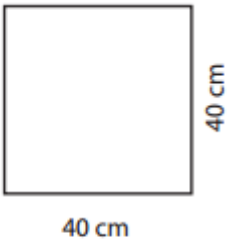
11.



Area : _____

Perimeter : _____

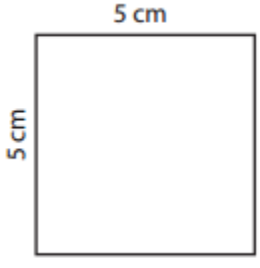
12.



Area : _____

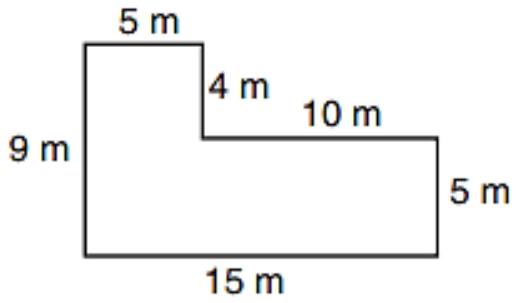
Perimeter : _____

13.



Area : _____

Perimeter : _____

Find the perimeter of the complex figure.	**Challenge problem:**
14.  Perimeter = _____	**Draw a figure below with an area of 400cm^2.**

Name: _____ **WEEK 7**

Word Problems

Show your work for ALL problems.

1. Lars is reading a 195-page book. If he reads 15 pages per day, can he finish the book in 11 days? Explain.

2. Ava and Elizabeth went to the store with $20. They spent $10 on pizza, $3.29 on chips and $4 on a salad mix. How much money was left over after they paid for the items with their $20?

3. Matthew had a bag of marbles: 25 marbles were red, 30 were green, 42 were yellow and 15 were purple. What fraction of the marbles was green?

4. Gabrielle wants to buy a banana for each of her 29 peers in class. If the bananas come in bunches of four, will eight bunches be enough for everyone?

5. Mrs. Russo bought twenty games for St. Jude's Children's Hospital. Each game cost $5.97. Did Mrs. Russo spend more than $175.00 on the games?

6. Lindsay bought several books last month. Each book was priced differently. The prices were as follows: $28.34, $38.55, $63.21, and $135.75. How much money did Lindsay spend in all?

7. Troy is comparing the fractions $\frac{2}{3}$ and $\frac{3}{12}$. She cannot figure out which fraction is larger. Which one is the bigger fraction? How can you explain the answer to Troy?

Multiply.

2 x 2	9 x 2	3 x 1	7 x 11	0 x 8	12 x 12	8 x 10	5 x 8	4 x 0	9 x 3
8 x 1	10 x 12	1 x 2	11 x 6	5 x 6	9 x 8	10 x 1	6 x 3	9 x 1	4 x 1
2 x 5	8 x 10	6 x 0	4 x 10	2 x 2	12 x 11	7 x 8	1 x 11	10 x 11	0 x 1
6 x 0	0 x 2	0 x 11	12 x 11	2 x 10	9 x 8	11 x 8	8 x 10	8 x 12	0 x 1

Name: _____ **WEEK 8**

Write two equivalent fractions for each of the fractions below.

1. $\frac{6}{9}$ = _____ _____ 2. $\frac{2}{13}$ = _____ _____ 3. $\frac{5}{7}$ = _____ _____

Add.

4. $\begin{array}{r} 5.06 \\ +\ 4.01 \\ \hline \end{array}$ 5. $\begin{array}{r} 6.8 \\ +\ 1.1 \\ \hline \end{array}$ 6. $\begin{array}{r} 2.2 \\ +\ 5.5 \\ \hline \end{array}$ 7. $\begin{array}{r} 8.08 \\ +\ 6.86 \\ \hline \end{array}$

Subtract.

8. $\begin{array}{r} 77.98 \\ -\ 61.46 \\ \hline \end{array}$ 9. $\begin{array}{r} 1.44 \\ -\ 1.14 \\ \hline \end{array}$ 10. $\begin{array}{r} 81.77 \\ -\ 42.72 \\ \hline \end{array}$ 11. $\begin{array}{r} 9.62 \\ -\ 3.55 \\ \hline \end{array}$

Multiply.

12. $7.99 x 6 13. $51.15 x 5 14. $24.97 x 8

How many minutes are there from 12:30pm to 1:25pm?

How many hours are there in one week, if there are 24 hours in one day?

Lillian left home at 8:35 am. Sydney left home 40 minutes after Lillian. Benjamin left home 12 minutes after Lillian left. At what time did Carlos leave home this morning?