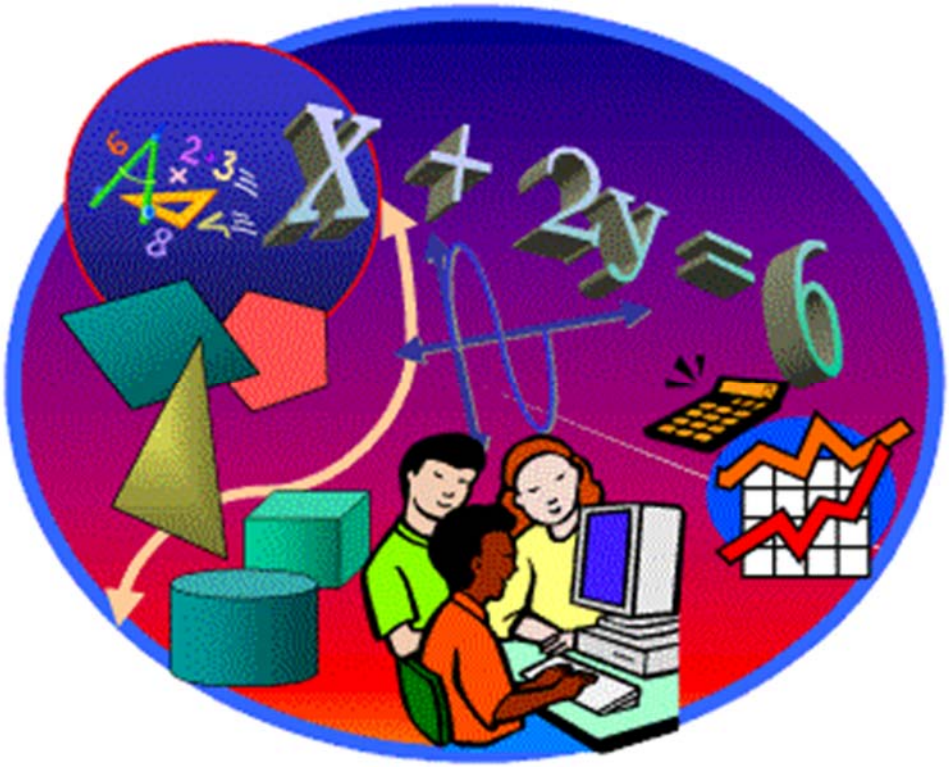
Summer Math Assignment

2019

Briggs Chaney Middle School



For Students Entering C2.0 Math 6

This summer math booklet was developed to provide students an opportunity to review math objectives and to improve math performance.

BRIGGS CHANEY MIDDLE SCHOOL
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Silver Spring, Maryland 20905
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Dear Student and Parent,

The purpose of this packet is to provide a review of objectives that were taught the previous school year and provide tasks related to the common core curriculum. Reviewing the material will help your child retain what he/she has learned this year, and assist them as they enter the next course in the sequence of study. The packet will be a homework grade in Marking Period 1.

An answer key can be accessed online at our school website. This answer key can be used in one of the following ways:

- Have your child check his/her work after each assignment.
- Check your child's work after each assignment.
- Check the entire packet once it is finished.

Whichever way you choose to use the answer key (posted on the BCMS website), make sure your child identifies and corrects all mistakes. Please note that these are sample answers and actual student answers may vary slightly, so it is important to check your child's work. In fact, it is anticipated that some answers and all student explanations should be different from the answer key. Please remind your child that **CALCULATORS SHOULD NOT BE USED** and **ALL WORK MUST BE SHOWN** for each activity. If work is completed on a separate paper, please submit the paper(s) with the packet; preferably stapled.

Thank you for your cooperation,
The BCMS Math Department

1. Several expressions are shown. Decide if the value of the expression is less than, equal to, or greater than 15. Write the expressions in the corresponding column of the table.

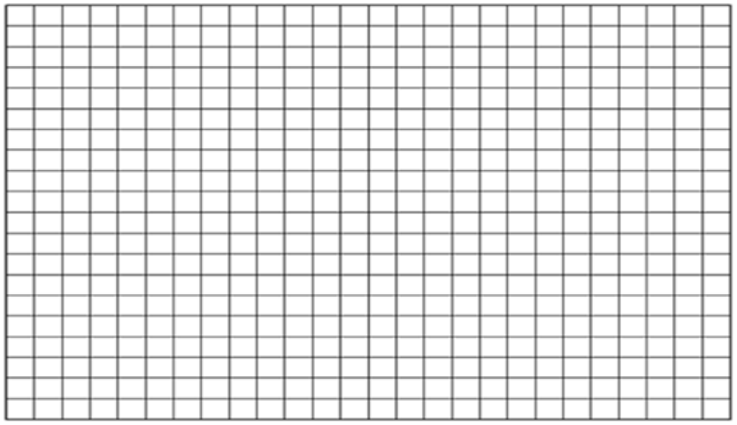
Less than 15	Equal to 15	Greater than 15

$2 \times \frac{1}{2} \times (5 \times 3)$ $\quad (5 \times 3) \div 5$ $\quad \frac{1}{4} \times (5 \times 3)$

$(5 \times 3) + 6$ $\quad 20 - (5 \times 3)$ $\quad (5 \times 3) \times (8 - 7)$

$1 \times (5 \times 3)$ $\quad 2 \times (5 \times 3)$

2. Each square in the grid represents 25 units. Draw a rectangle that has an area of 875 square units.



3. Jen measured the growth of a sunflower.
    a. In week one, it grew $2\frac{1}{2}$ inches.
    b. In week two, it grew $2\frac{3}{4}$ inches.
    c. In week three, it grew $3\frac{1}{4}$ inches.

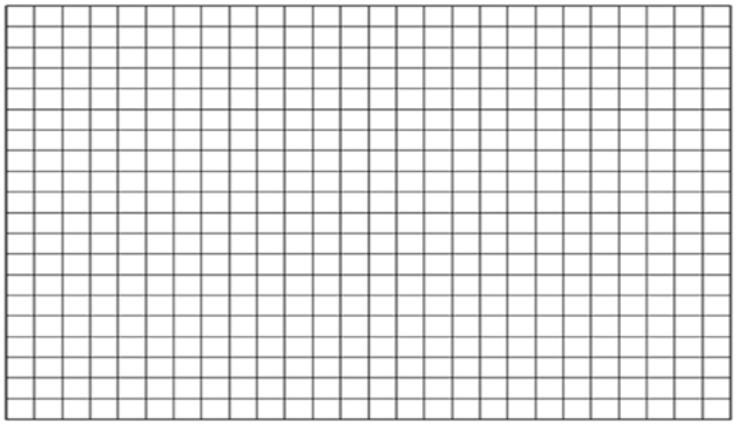
How much did the sunflower grow in the three weeks?

4. Look at the rectangle.

What is the area of the rectangle in square centimeters?

5. James folds a square piece of paper in half to create a rectangle with a perimeter of 12 inches.

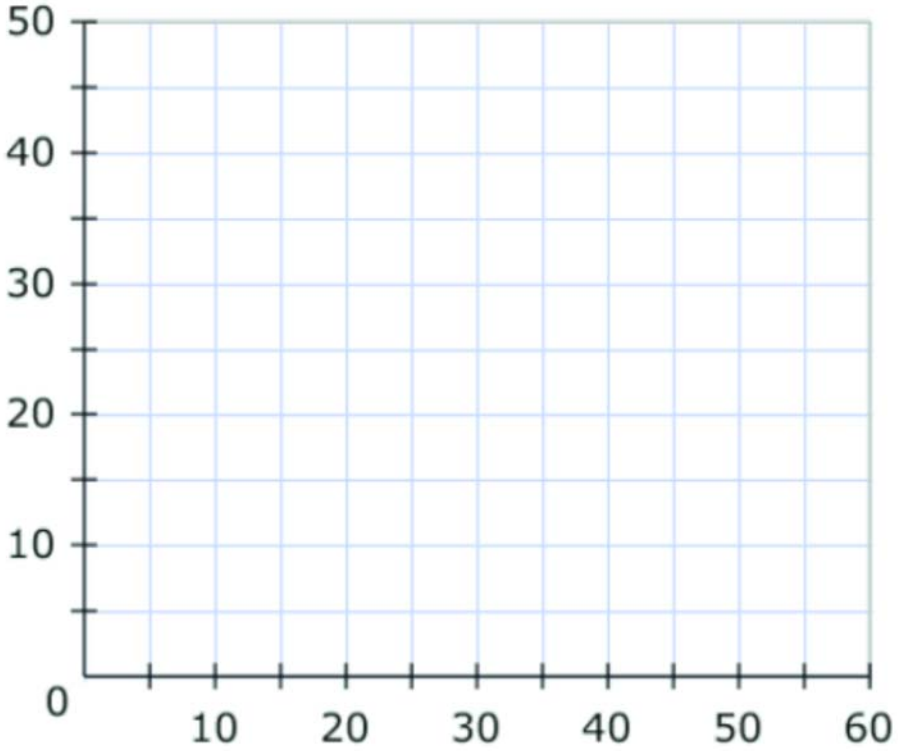
Draw the original square on the grid. Then find the area of the RECTANGLE James creates.



6. Connor is buying tickets to a play. The play he and his friends want to see costs $4.75 per ticket. Connor has $26.00 in his pocket.

What is the greatest number of tickets Connor can buy?

7. Draw a rectangle on the grid below with an area of 1575 square units and a side of 45 units.



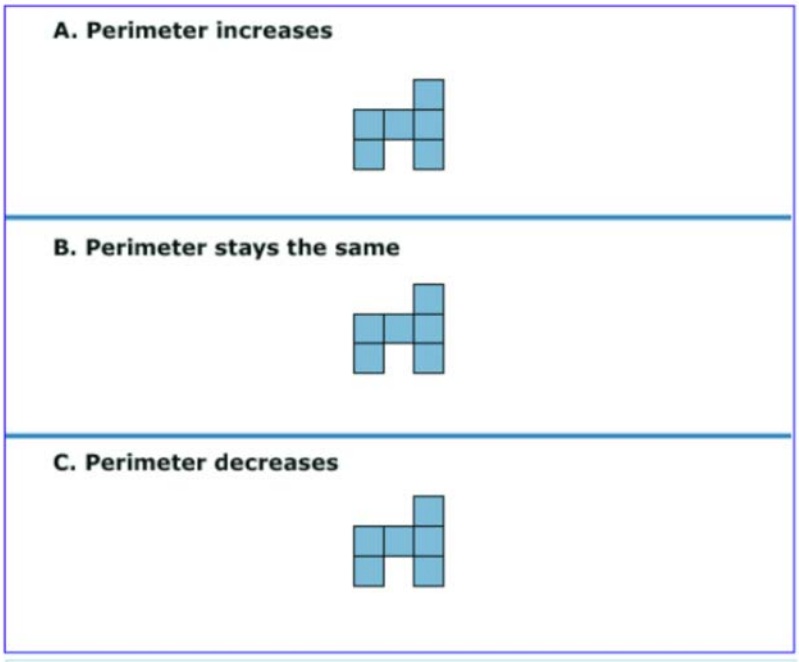
8. A baker used 12 cups of batter to make muffins. It took $\frac{2}{3}$ cup of batter to make 1 muffin. How many muffins did the baker make?

9. William used 6 squares to make the figure shown.

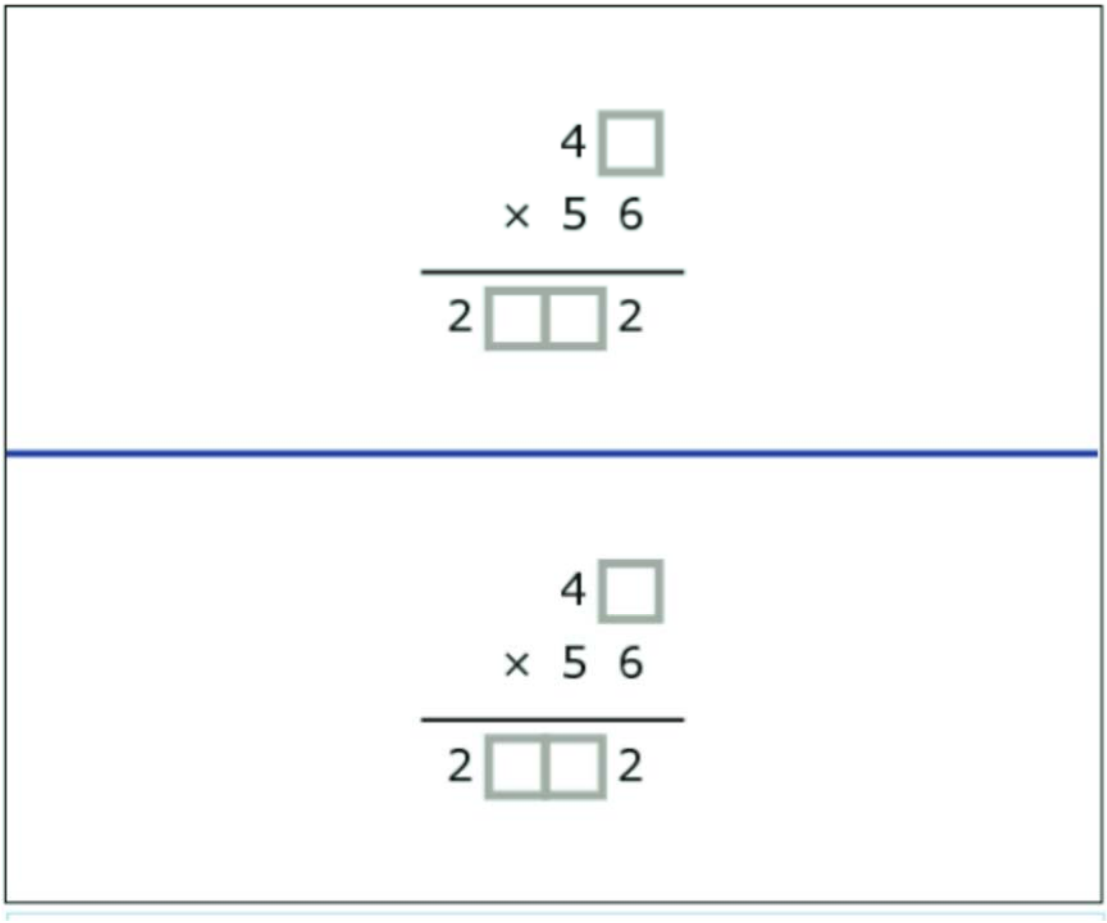
A. Add a square so that the perimeter increases

B. Add a square so that the perimeter stays the same.

C. Add a square so that the perimeter decreases.

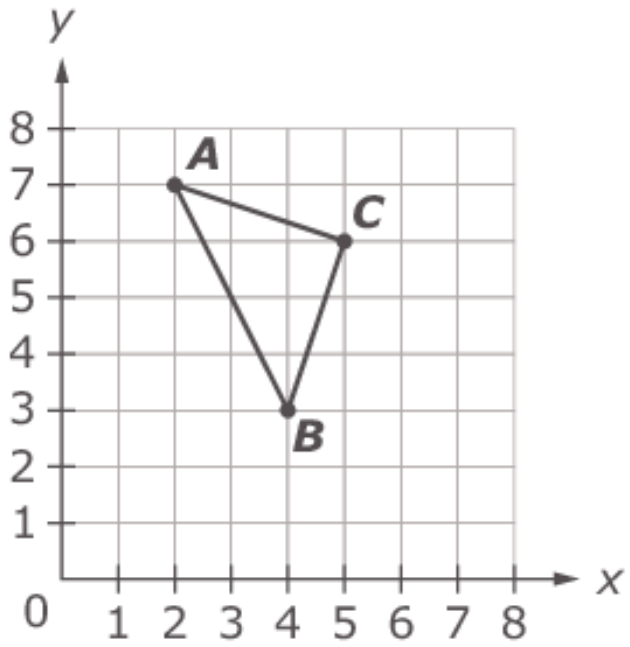


10. Show two different ways to complete the multiplication problem.


4 □
× 5 6
2 □ □ 2
4 □
× 5 6
2 □ □ 2

11.

Look at triangle *ABC*.



What are the coordinates of points *A*, *B*, and *C*?

Ⓐ *A* (2, 7), *B* (4, 3), *C* (5, 6)

Ⓑ *A* (2, 7), *B* (5, 6), *C* (4, 3)

Ⓒ *A* (7, 2), *B* (3, 4), *C* (6, 5)

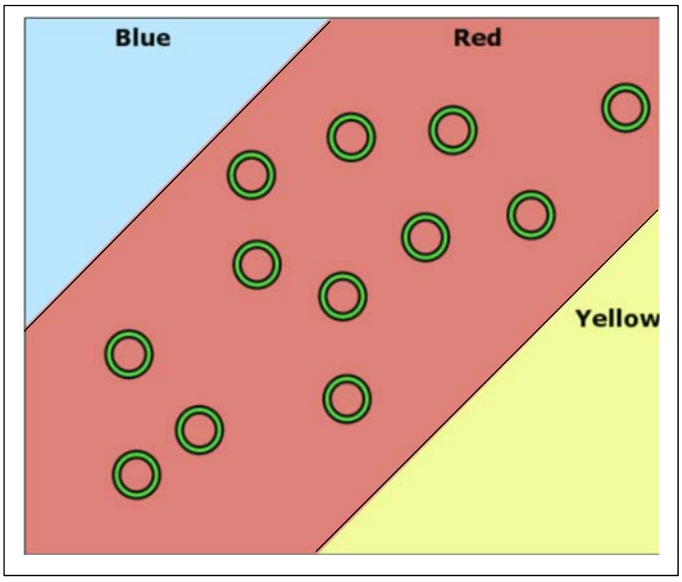
Ⓓ *A* (7, 2), *B* (4, 3), *C* (5, 6)

12. In a game at a carnival, a person throws rings onto a table with different colors painted on it. Each color has different point values as shown.

- Blue: 5 points
- Red: 3 points
- Yellow: 2 points

Hailey plays the game. Exactly 12 rings thrown by Hailey landed in the red section. She keeps throwing more rings. She eventually scores 55 points.

How many rings landed on the blue and yellow areas so that Hailey scored 55 points?



14. Find two fractions that can be added using the denominator 24. Write those two fractions in the box.

Like Denominator = 24

$\frac{1}{6}$ $\frac{1}{5}$ $\frac{3}{16}$ $\frac{5}{7}$ $\frac{9}{10}$ $\frac{1}{9}$ $\frac{7}{8}$