**Part One (30 pts):** Use class code 8YX53BK3 and your email to join the class at www.khanacademy.org/join. If you already have an account, add a class by going to the coaches tab on your dashboard. Your khan username should be your name. Then, you must go to https://docs.google.com/forms/d/e/1FAIpQLSfnOB1Q and fill it out with your email and password, so if you get locked out of your account, we can help.

Assignments on Khan will be published on May 15th. Make sure the assignments being completed are the ones assigned on the your "Home" tab: You may have to click “View assignments due later” to see all of them. If you join the course after May 15th, you may not instantly see those assignments. That's because an ACE teacher has to assign them to you. If they do not show up in 24 hours, email the teacher above. The assignments online should match the list below.

Complete each of the following exercises on Khan Academy with a score of 100%. You have unlimited attempts until the first day of school @ 7:45am. Take advantage of the hints and videos provided through the website to prepare yourself for the next year of mathematics. You should see these assignments on your “Home” tab. Do not try to search these assignments out. If they have not been assigned to you, the results will not get to your teacher.

1. **Khan Assignment:** Area and Perimeter of Rectangles Word Problems
2. **Khan Assignment:** Draw Parallel and Perpendicular Lines
3. **Khan Assignment:** Angle Basics
4. **Khan Assignment:** Name Angles
5. **Khan Assignment:** Simple Probability
6. **Khan Assignment:** Experimental Probability
7. **Khan Assignment:** Divide Whole Number by Fractions
8. **Khan Assignment:** Divisibility Tests
9. **Khan Assignment:** Factor Pairs
10. **Khan Assignment:** Identify Factors and Multiples
11. **Khan Assignment:** Equivalent Fractions
12. **Khan Assignment:** Simplify Fractions
13. **Khan Assignment:** Add Fractions with Common Denominators
14. **Khan Assignment:** Subtract Fractions with Common Denominators
15. **Khan Assignment:** Multiplying Fractions

**Part Two:** Complete the problems below on this paper. Circle your answers and show all of your work to receive credit. (20 pts)

<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
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<tbody>
<tr>
<td>1. One eighth of the students in the class are in the school band. What fraction of the total number of students are not in the band?</td>
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<tr>
<td>2. The theater was full when the movie began. Seventy-six people left before the movie ended. One hundred twenty-four people remained. How many people were in the theater when it was full?</td>
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<td>3. Use digits and other symbols to write “Three minus seven equals negative four”</td>
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<tr>
<td>4. Write each number as a reduced fraction or mixed number. a. $3 \frac{16}{24}$ b. $\frac{15}{24}$</td>
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<tr>
<td>5. Find a and b to complete each equivalent fraction: a. $\frac{3}{4} = \frac{a}{36}$ b. $\frac{4}{9} = \frac{b}{36}$</td>
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<tr>
<td>6. What is the name of a polygon that has twice as many sides as a quadrilateral?</td>
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<tr>
<td>7. A. Each angle of a rectangle measures how many degrees? B. The four angles of a rectangle total how many degrees?</td>
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<tr>
<td>8. Find the value of the variable. $A + 1547 = 8998$</td>
<td></td>
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</tbody>
</table>
9. Find the value of the variable. 
   \[30b = 41.10\]

10. Find the value of the variable. 
    \[0.32c = 7.36\]

11. Find the value of the variable. 
    \[26.57 + d = 30.10\]

12. Simplify: 
    \[\frac{2}{3} + \frac{2}{3} + \frac{2}{3}\]

13. Simplify: 
    \[3\frac{7}{8} - \frac{5}{8}\]

14. Simplify: 
    \[\frac{2}{3} \times \frac{3}{7}\]

15. Simplify: 
    \[3\frac{7}{8} + \frac{5}{8}\]

16. Simplify: 
    \[50 \times 50\]

17. Simplify: 
    \[\frac{100}{11}\]

18. Write \(\frac{3}{4}\) as an improper fraction, and multiply it by the reciprocal of \(\frac{2}{3}\).

19. Find a fraction equal to \(\frac{1}{3}\) that has a denominator of \(10\). Subtract this fraction from \(\frac{9}{10}\). Write the difference as a reduced fraction.

20. What percent of a yard is a foot?

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**Part Three:** The following is a list of prerequisite skills for Junior High Mathematics. They can not be assigned a point value but are crucial for your success.

- Multiplication Facts
- Decimal place value
- Compare decimals
- Compare integers on a number line
- How to add, subtract, multiply and divide decimals
- How to find area and perimeter of squares, rectangles and triangles
- Simplify numerical expressions
- Solve one-step equations
- Find the volume of cubes and rectangular prisms