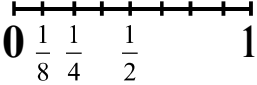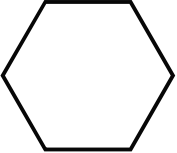# Sample Lesson #1

1. $21 \div (65 - 58) = \ ?$

2.   Round 548.486 to the nearest hundredth.

3.   Identify the pattern by stating the rule.   3, 12, 21, 30, 39

4.   Dana is mixing 8 different ingredients to make soil for her raised-bed gardens. She will use $\frac{1}{8}$ cubic yard each of worm castings and kitchen compost; $\frac{1}{4}$ cubic yard each of leaf compost, vermiculite, and sand; $\frac{1}{2}$ cubic yard each of cow manure and sphagnum peat; and 1 cubic yard of topsoil. Use this data to complete a line plot for the amounts of ingredients in Dana's soil. When all of the ingredients are added together, how many cubic yards of soil will Dana have?

5.   Write the product using an exponent. $10 \times 10 \times 10 \times 10 \times 10 = ?$

6.   Write sixteen and five hundred twenty-seven thousandths as a decimal.

7.   Which amount is the greatest? Explain.   4 gal   4 qt   4 C

8.   **A *scalene triangle* has no sides of equal length and no angles of equal measure.** Choose the scalene triangle.

9.   Use a protractor to draw a 75° angle. Label it $\angle POI$.

10. $4\frac{1}{4} + 3\frac{1}{4} = ?$

11. $84 \times 43 = ?$

12.   Complete the next shape in the sequence. Describe the pattern.

13.   Choose the numerical expression that has the same meaning as 4 multiplied by the sum of 9,532 and 796.

14.   Write another equivalent fraction for $\frac{3}{4}$. $\frac{3}{4} = \frac{6}{8} = ?$

15.   In the number <u>8</u>8, the underlined digit is _____ times as much as the place to its right.

1. 5.OA.1	2. 5.NBT.4	3. 5.OA.3
4. 5.MD.2 Garden Ingredients (in cubic yards) 0 $\frac{1}{8}$ $\frac{1}{4}$ $\frac{1}{2}$ 1	5. 5.NBT.2	6. 5.NBT.3
7. 5.MD.1	8. 5.G.3	9. 4.MD.6
10. 4.NF.3	11. 5.NBT.5	12. 4.OA.5
13. 5.OA.2 A) $(9{,}532 + 796) \times 4$ B) $(9{,}532 - 796) \times 4$ C) $9{,}532 - (796 \times 4)$	14. 4.NF.1	15. 5.NBT.1