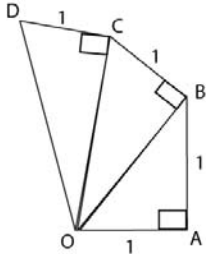
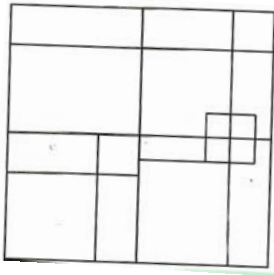



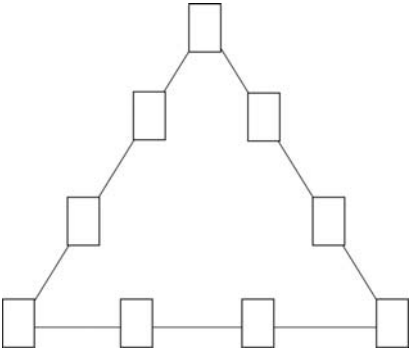
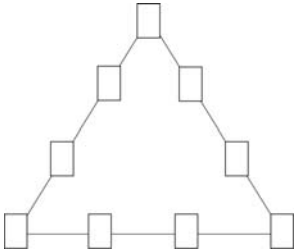


## Team Bowl 8<sup>th</sup> grade

1.	Homer began peeling a pile of 44 potatoes at the rate of 3 potatoes per minute. Four minutes later Christen joined him and peeled at the rate of 5 potatoes per minute. When they finished, how many potatoes had Christen peeled?	1. _____
2.	When I look at our alphabet, I see that the letter <u>?</u> has four times as many letters before it as after it.	2. _____
3.	Mary got either a 90 or a 100 on each of her 5 math tests. The average of all her math tests is 98. How many 90s did she get?	3. _____
4.	If you have a full glass of water and pour out half, then pour back in half of what you poured out, pour out a third of what you have now, and pour back in one third of a full glass, what fraction of the glass is full?	4. _____
5.	A movie that lasts 1 hour and 37 minutes is followed by a 25 minute intermission and another movie that lasts 1 hour and 20 minutes. If the first movie begins at 6:15, at what time does the second movie end?	5. _____
6.	Every birthday of my life, I put as many pennies in a jar as my age in years. I now have \$1.20 in the jar. How old am I?	6. _____

7.	<p>Find the length of <math>\overline{OD}</math> in the figure below.</p> 	7. _____
8.	<p>Each of the whole numbers from 1 to 30 is written on a card. If you draw one of the cards at random, what is the probability that you will select a prime number?</p>	8. _____
9.	<p>Ara and Shea were once the same height. Since then Shea has grown 20% while Ara has grown half as many inches as Shea. Shea is now 60 inches tall. How tall, in inches is Ara now?</p>	9. _____
10.	<p>How many squares, of any size are in the figure?</p> 	10. _____

11.	<p>A store sells large individual wooden letters for signs to put on houses. The letters are priced according to a logical rule. Your challenge is to find this rule. Use the information below to help you find the rule and answer the question. Show your work.</p> <p>The letters to make the name JONES cost \$13.  The letters in SMITH cost \$14.  The letters for ORTEGA cost \$15.  The letters in VANG cost \$11.</p> <p>How much would the letters in the name GARDNER cost?</p>	11. _____
12.	<p>Mrs. Dritsas put in a 2-foot wide sidewalk that completely surrounds her rectangular garden. The garden is 3 feet longer than it is wide. The outside perimeter of the sidewalk is 70 feet. What is the width of the garden?</p> 	12. _____
13.	<p>What is the least positive integer meeting each of the following conditions?</p> <p>Dividing by 6 gives a remainder of 0.  Dividing by 8 gives a remainder of 4.  Dividing by 5 gives a remainder of 1.</p>	13. _____
14.	<p>In each stage of a basketball tournament, a team that loses is eliminated. How many teams competed in the tournament if the winning team played six games?</p>	14. _____
15.	<p>Mrs. Sonke raises cats and canaries. Altogether the animals have 50 heads and 160 feet. How many cats does Mrs. Sonke have?</p>	15. _____

16.	If a pup is worth a pooch and a mutt, and a pup and a pooch are worth one bird dog, and two bird dogs are worth three mutts, how many pooches is a pup worth?	16. _____
17.	Kiko, Micha, and Serena collected fifty-five seashells. Kiko collected three less than Micha. Micha collected fourteen more than Serena. How many seashells did each one collect?	17. Kiko _____ Micha _____ Serena _____
18.	A total of 28 handshakes were exchanged at a party. Each person shook hands with exactly once with each of the others. How many people were present at the party?	18. _____
19.	<p>Using the numbers <math>\frac{2}{7}, \frac{4}{7}, \frac{6}{7}, \frac{8}{7}, \frac{10}{7}, \frac{12}{7}, \frac{14}{7}, \frac{16}{7}</math> and <math>\frac{18}{7}</math> only once, place them in the boxes so that the sum of each side is <math>\frac{34}{7}</math>.</p> 	<p>19.</p> 
20.	If a ship is twice as old as the boiler was when the ship was as old as the boiler is, what is the age of each, if their combined age is 42?	20. ship _____ boiler _____