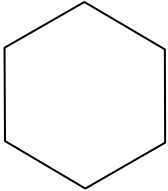
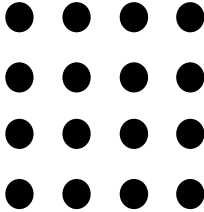
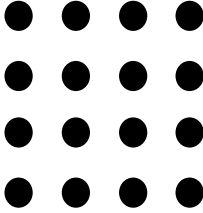
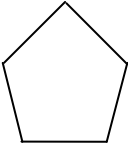


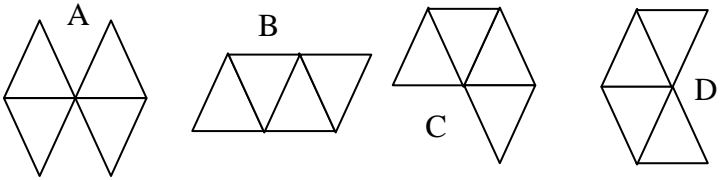
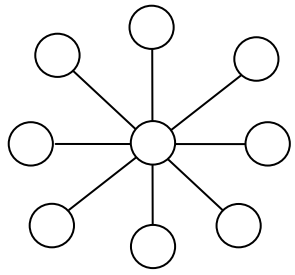


7th Grade Team Bowl

1.	How many minutes are there in three days and three hours?	1. _____ mins.
2.	<p>A regular hexagon has nine diagonals. How many of these diagonals intersect each other at the exact center of the hexagon?</p> 	2. _____
3.	<p>The mathematical signs connecting the numbers in the equation below have been left out. <u>Using each sign only once</u>, place the signs between the numbers so that the final answer is 3. All operations are done in a <u>left-to-right</u> order.</p> $5 \square 2 \square 3 \square 5 \square 4 = 3$ <p style="text-align: center;">+ - × ÷</p>	3. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
4.	A single fair octahedral die is rolled, with sides numbered 1 through 8. What is the probability that the result is either <u>not</u> prime or <u>not</u> odd?	4. _____

5.	At the annual dog and penguin owner's convention, Miriam saw a room full of dogs and penguins. She counted twenty heads and sixty-six feet. How many penguins were there?	5. _____ <u>penguins</u>
6.	A square sheet of paper with side length eight inches is folded exactly in half to form a rectangle. What is the <u>ratio</u> of the number of inches in the <u>perimeter</u> of the rectangle to the number of square inches in the <u>area</u> of the original square? Express your answer in simplest form.	6. _____
7.	Using only six straight lines, and without lifting your pencil or retracing the lines, connect all of the sixteen dots below. <div style="text-align: center;">  </div>	7. <div style="text-align: center;">  </div>
8.	A man has 10 sons. Each of these sons has 10 sons. How many people does that make all together?	8. _____ <u>people</u>
9.	Given regular pentagon ABCDE, how many triangles can be drawn so that each triangle is formed from 3 distinct vertices? <div style="text-align: center;">  </div>	9. _____
10.	Robby deals himself two aces and two queens from a well-shuffled standard deck of cards. What is the probability that the next card dealt is either an ace or a queen?	10. _____

11.	How many prime numbers less than 100 are 1 more than a multiple of 4?	11. _____
12.	What is the largest two-digit integer that is the product of a prime number and 19?	12. _____
13.	Six friends are living in an apartment together and they evenly split the monthly rent of three thousand dollars. By how many dollars does each person's share of the monthly rent increase if one person moves out?	13. \$_____
14.	Five students (Amy, Beth, Corey, Diego, Emily) sit in that order in a circle, counting down to 1. Amy starts by saying, "34". Then Beth says, "33", and so on. They continue around the circle to count down by ones. Who says, "1"?	14. _____
15.	What is the average of the mean, median and mode of the set {7,6,6,9,4,10}? If your answer is not an integer, answer as a decimal.	15. _____
16.	A number has 3 digits. It is an even, square number less than 500. The product of its digits is evenly divisible by 15. What is the number?	16. _____

<p>17.</p>	<p>Which of the folding patterns below will produce a shape unlike the others?</p> 	<p>17. _____</p>
<p>18.</p>	<p>There are a number of children standing around in a circle. If each child is evenly spaced apart, and the fifth child is directly opposite the eighteenth child, how many children are standing in the circle?</p>	<p>18. _____</p>
<p>19.</p>	<p>A frog falls into a well that is 18 feet deep. Every day the frog jumps up a total distance of 6 feet. At night, as the frog grips the slimy well walls, it slips back down by 2 feet. At this rate, how many days will it take the frog to jump to the rim of the well?</p>	<p>19. _____ days</p>
<p>20.</p>	<p>Examine the pattern of circles below. Can you place numbers one through nine in these circles so that the sum of the three circles connected vertically, horizontally, or diagonally is equal to fifteen?</p> 	<p>20.</p> 