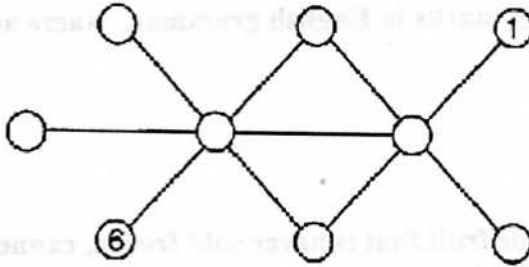


1. What year comes next in this sequence: 1973, 1979, 1987, 1993, 1997, 1999, and why?

2. You have the misfortune to own an unreliable clock. This one loses exactly 24 minutes every hour. It is now showing 3:00am and you know that it was correct at midnight, when you set it. The clock stopped 1 hour ago, what is the correct time now?

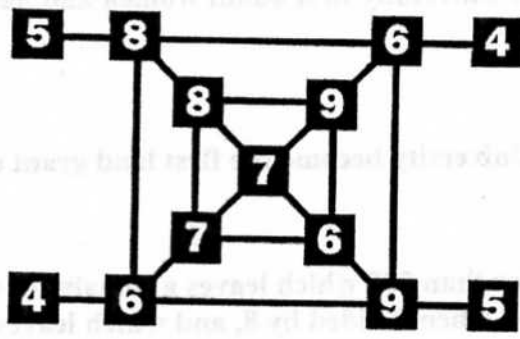
3. Can you arrange the numbers 1 to 9 in the circles so that each straight line of three numbers totals 18?



4. Three people check into a hotel. They pay \$30 to the manager and go to their room. The manager suddenly remembers that the room rate is \$25 and gives \$5 to the bellboy to return to the people. On the way to the room the bellboy reasons that \$5 would be difficult to share among three people so he pockets \$2 and gives \$1 to each person. Now each person paid \$10 and got back \$1. So they paid \$9 each, totaling \$27. The bellboy has \$2, totaling \$29. Where is the missing \$1? Explain.

5. What or who is War Eagle VII?

6. Start at the center number and collect another four numbers by following the paths shown (and not going backwards). Add the five numbers together. What is the lowest number you can score?



7. - Name the one sport in which neither the spectators nor the participants know the score or the leader until the contest ends.

- What fruit has its seeds on the outside?

- Only three words in Standard English begin with the letters "dw" and they are all common words. Name two of them.

- There are 14 punctuation marks in English grammar. Name at least half of them.

- Name the one vegetable or fruit that is never sold frozen, canned, processed, cooked, or in any other form except fresh.

8. There is a barrel with no lid and some water in it. "This barrel of water is more than half full," said Jack. "No it's not," says Lucy. "It's less than half full." Without any measuring implements and without removing any water from the barrel, describe a method by which they can easily determine who is correct?

9. List four names Auburn University has been officially called.

10. In what year did Auburn University first admit women and have an organized football team?

11. What year did Auburn University become the first land grant university in the south?

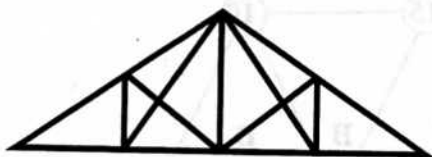
12. Find a number not greater than 500 which leaves a remainder of 3 when divided by 7, which leaves a remainder of 4 when divided by 8, and which leaves a remainder of 5 when it is divided by 9.

13. In Eagleton, the Scouts hold an annual soapbox derby. Each child builds a soapbox car and paints his or her entry number on its side. This year, each of the soapbox cars that placed in the top five was painted a different color. From the information provided, can you determine the first and last name (one first name was Clayton and one surname was Carver) of the children who placed in the top five in the derby (what order), the color (one was red) of each child's car, and the number (11, 22, 33, 44, 55) painted on each child's car?

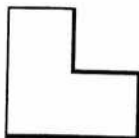
1. The one surnamed Evans had entry number 55.
2. The five children are the one whose entry number was 22,, the one whose entry number was 11, the one surnamed Baker, the one whose car was blue, and Sada (who isn't the one who had the yellow car).
3. Three entrants are Walt, the one who built the blue car, and the one who had entry number 44. Walt (who isn't the one surname Baker) placed fourth in the race.
4. Kirsten, who isn't the one who built the green car, isn't the child who had entry number 33.
5. The one surnamed Dover, who isn't Sada, placed fifth. Dover didn't have number 11 or 44.
6. The one surnamed Adams placed lower in the race the child whose car was orange. Jasper placed lower in the race than the child whose car was yellow but higher than the child whose entry number was 44.

Place	First Name	Last Name	Color	Number

14. How many triangles?



15. Slice the picture into 4 identical sections.



16. Fill in the missing numbers across and down using only the digits given next to the diagram. Always perform the mathematical operations in order from left to right and from top to bottom.

2 3 4 4 5 5 7 9 9

	×		÷		=	10
+	■	+	■	×	■	
	+		-		=	6
÷	■	-	■	-	■	
	÷		×		=	15
=	■	=	■	=	■	
1	■	10	■	9	■	

2 3 4 4 5 7 7 8 8

	+		÷		=	6
+	■	+	■	×	■	
	-		×		=	4
-	■	÷	■	+	■	
	×		-		=	4
=	■	=	■	=	■	
12	■	3	■	16	■	

17. Each Triangle, lettered A through I, has its own number value from 1 to 9. No two triangles have the same value. Each number shown in the diagram is the sum of the triangles that meet at that corner. Can you determine the value of each triangle?

