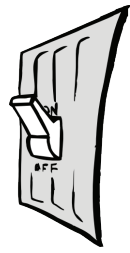


30 MAX GENIUS PUZZLES

155. LIGHT SWITCH

Upstairs, there is a room with one light, one door and one chair. Downstairs, there are three light switches - A, B and C. One switch is connected to the light in the upstairs room.



How can you find out which switch is connected to the upstairs light? You can enter the upstairs room one time. There are no windows and it is impossible to see inside the room unless you open the door. Turn the switches on and off as much as you like.

156. THROW AWAY FOOD

To eat this food, you first throw away the outside, then cook the inside. Then, eat the outside and throw away the inside. What is this food?

158. ROLL A DIE

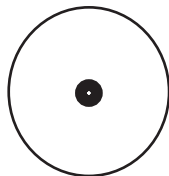
You have a die. If you roll the die one time, which of these sentences has the smallest chance of happening?

1. Roll an odd number.
2. Roll a number larger than 3.
3. Roll a number smaller than 3.

157. DOT AND CIRCLE

Here is a circle with a dot. Can you draw the same picture by following three rules?

- a. Use one pencil (or pen).
- b. Don't lift your pencil off the paper.
- c. Don't use an eraser.



159. ABOVE AND BELOW

Look at the numbers above and below the line. Do the numbers 9 and 10 go above or below the line? Why?

$$\begin{array}{r} 126 \\ \hline 34578 \end{array}$$

160. GYM CLASS

24 students are in a gym. The physical education teacher wants to put the students in lines. He asks the students to make 6 lines with 5 students in each line. How did he do that?