

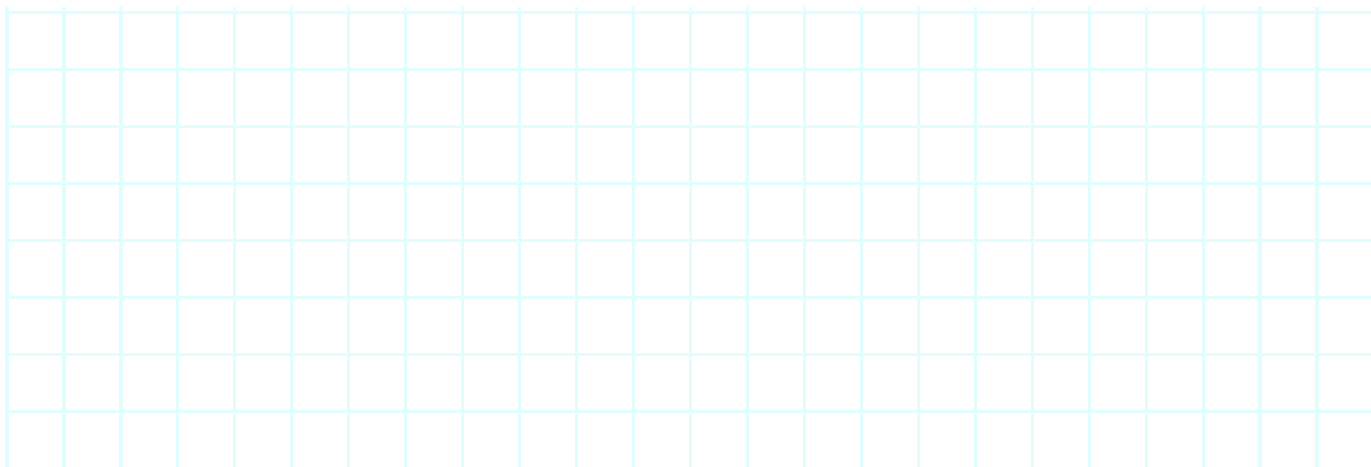
What Did Dr. Qwak, the Veterinarian, Say When Suzi's Snake Got Caught In the Garbage Disposal?



Write a base 10 numeral for each base 2 numeral. For each set of exercises, there is one extra answer. Write the letter of this answer in each box below that contains the number of that exercise set.

Set #1 a. 101 b. 110 c. 10 d. 111	(P) 7 (J) 5 (X) 2 (E) 8 (F) 6	Set #4 a. 1000 b. 10000 c. 11010 d. 10001	(A) 26 (S) 16 (I) 21 (U) 17 (O) 8	Set #7 a. 1000000 b. 1100001 c. 1011011 d. 1110100	(S) 97 (L) 87 (N) 116 (A) 64 (F) 91
Set #2 a. 1001 b. 1110 c. 1010 d. 100	(H) 14 (L) 4 (O) 9 (B) 10 (T) 12	Set #5 a. 100000 b. 110011 c. 101101 d. 111000	(R) 32 (O) 56 (Y) 51 (B) 47 (L) 45	Set #8 a. 10000000 b. 10101011 c. 11010001 d. 11111100	(U) 171 (Y) 128 (A) 209 (P) 252 (O) 233
Set #3 a. 1111 b. 10100 c. 11011 d. 10110	(W) 20 (G) 23 (K) 27 (D) 15 (C) 22	Set #6 a. 101010 b. 100100 c. 110101 d. 111111	(W) 55 (C) 63 (P) 42 (N) 36 (D) 53	Set #9 a. 1011001 b. 111101 c. 10011 d. 11	(S) 19 (R) 3 (N) 57 (C) 61 (P) 89

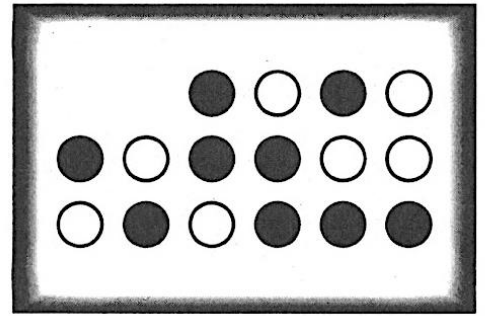
4	2	6	8	9	2	5	1	7	8	9	3	9	8	6
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► THE BINARY CLOCK

The clock shown at the right has no hands or numbers. Rather, it has three rows of LED lights. The top row shows hours, the middle row tells minutes, and the bottom row tells seconds. An illuminated LED represents a 1; a non-illuminated LED represents a 0.

What time is it?



Challenge Problem (This problem is optional.)

Mr. Jones has \$127 and 7 bags. He wants to arrange the money in the bags so that he can have any amount from \$1 to \$127 just by grabbing some bags.

How can this be done?