Advanced Challenge Level 1 Problem #38 _____

This problem is concerned with a digital watch. Consider the question below.

What fractional part of the time is there at least one 7 showing on the face of a standard digital watch?

You have to answer a similar question for each of the digits 0 through 9 and record the results on the table below. For each digit, you must explain how you arrived at your answer.

digit	0	1	2	3	4	5	6	7	8	9
fractional part										