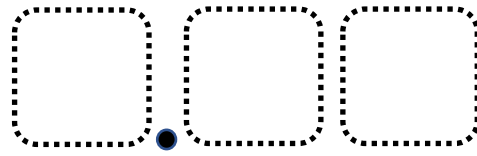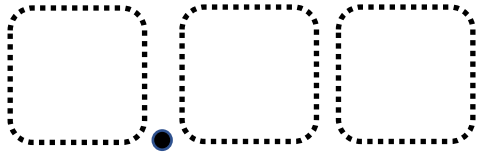Rounding Decimals – Open Middle Problem

Using the digits 0 through 9, find two numbers that both round to 5 and have the greatest possible difference. Each digit can only be used once.

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Least helpful questions to ask:

Where are the numbers that round to 5 on a number line?
How close does a number have to be to 5 to round to 5?

Solution:

4.60 and 5.39 with a difference of 0.79