Mathematics

Decimals and measures
Generate and describe linear number sequences
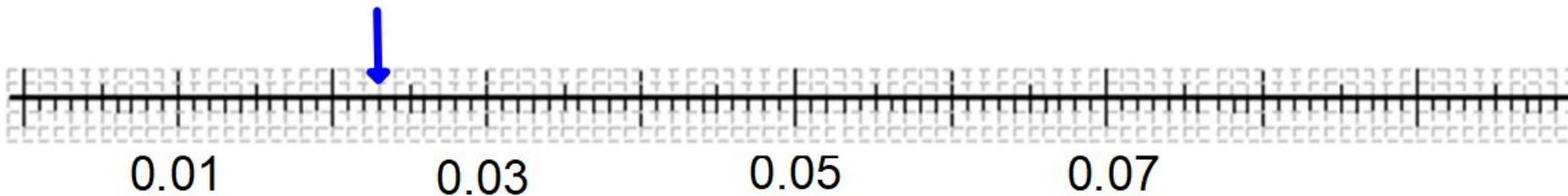
Independent Task

Question 1

Complete the sequence and give the term to term rule:

a) _____ _____ 6.03 5.41 4.79 4.17 _____ _____
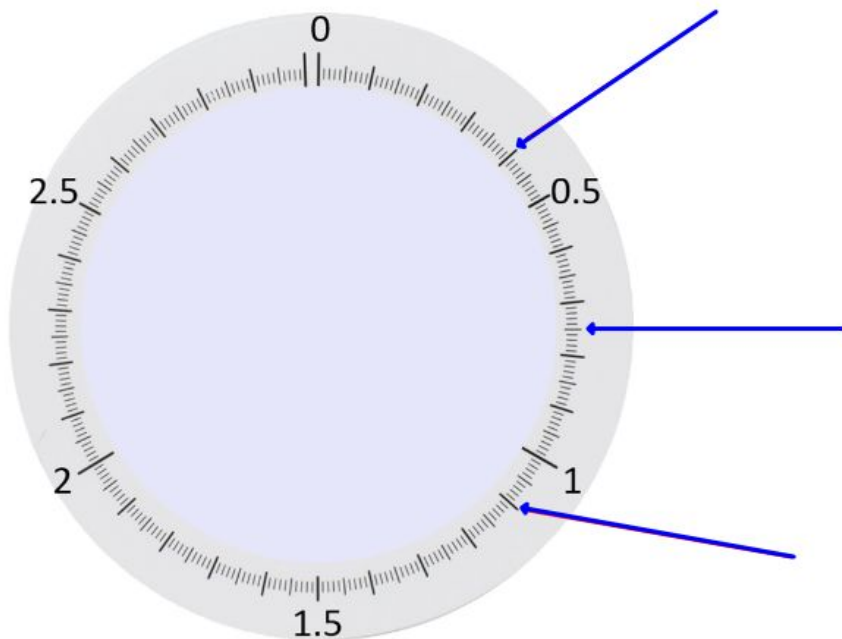
b) _____ 3.977 4.779 _____ 6.383 _____ _____

The arrow indicates the first term of a sequence.

The term to term rule is +0.022.

Draw arrows to show the next three terms.

The arrows indicate the first three terms of a sequence.

a) What are the next two terms of the sequence?

b) True or False. None of the terms in the sequence have more than two decimal places.

Question 4

Zaara writes a linear sequence. She begins at 5 and subtracts 0.123.

She says, "No matter how much I extend the sequence, there will never be another integer term."

Do you agree? Explain your answer.