

Sequences

Sequences (numerical patterns) are sets of numbers that follow a particular pattern or rule to get from number to number. Each number is called a term in a pattern.

An **arithmetic sequence** is a number pattern where the rule is **addition** or **subtraction**.

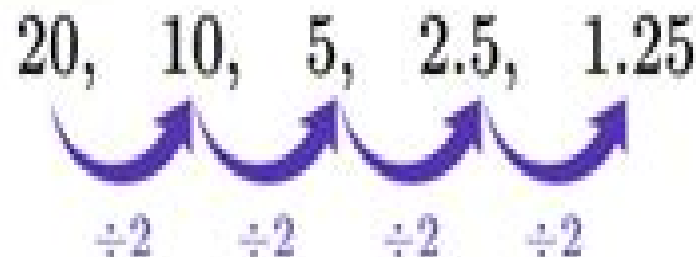
 Example



Rule: Add 5 each time

An **geometric sequence** is a number pattern where the rule is **multiplication** or **division**.

 Example



Rule: Divide the previous term by 2

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text opens with a comprehensive review of mosaicing and blending techniques before proposing an approach for large scale underwater image mosaicing and blending In the image preprocessing step a depth dependent illumination compensation function is used to solve the non uniform illumination appearance due to light attenuation For image enhancement the image contrast variability due to different acquisition altitudes is compensated using an adaptive contrast enhancement based on an image quality reference selected through a total variation criterion In the blending step a graph cut strategy operating in the image gradient domain over the overlapping regions is suggested Next an out of core blending strategy for very large scale photo mosaics is presented and tested on real data Finally the performance of the approach is evaluated and compared with other approaches

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