

## Recursive Formulas for Geometric Sequences

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Write the recursive formula for each geometric sequence.

1)  $-\frac{3}{8}, -\frac{1}{2}, -\frac{2}{3}, -\frac{8}{9}, \dots$

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2)  $150, -300, 600, -1200, \dots$

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3)  $-2, 38, -722, 13718, -260642, \dots$

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4)  $0.4, 3.6, 32.4, 291.6, 2624.4, \dots$

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5)  $-18, -72, -288, -1152, \dots$

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6)  $90, 270, 810, 2430, 7290, \dots$

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7)  $6, 78, 1014, 13182, 171366, \dots$

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8)  $\frac{12}{5}, \frac{2}{5}, \frac{1}{15}, \frac{1}{90}, \frac{1}{540}, \dots$

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9)  $-0.2, 1, -5, 25, -125, \dots$

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10)  $25, 25\sqrt{2}, 50, 50\sqrt{2}, \dots$

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