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COVER ART CREATED BY :

JULIE FAULKNER

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# Arithmetic & Geometric Sequences Crossword

NAME \_\_\_\_\_

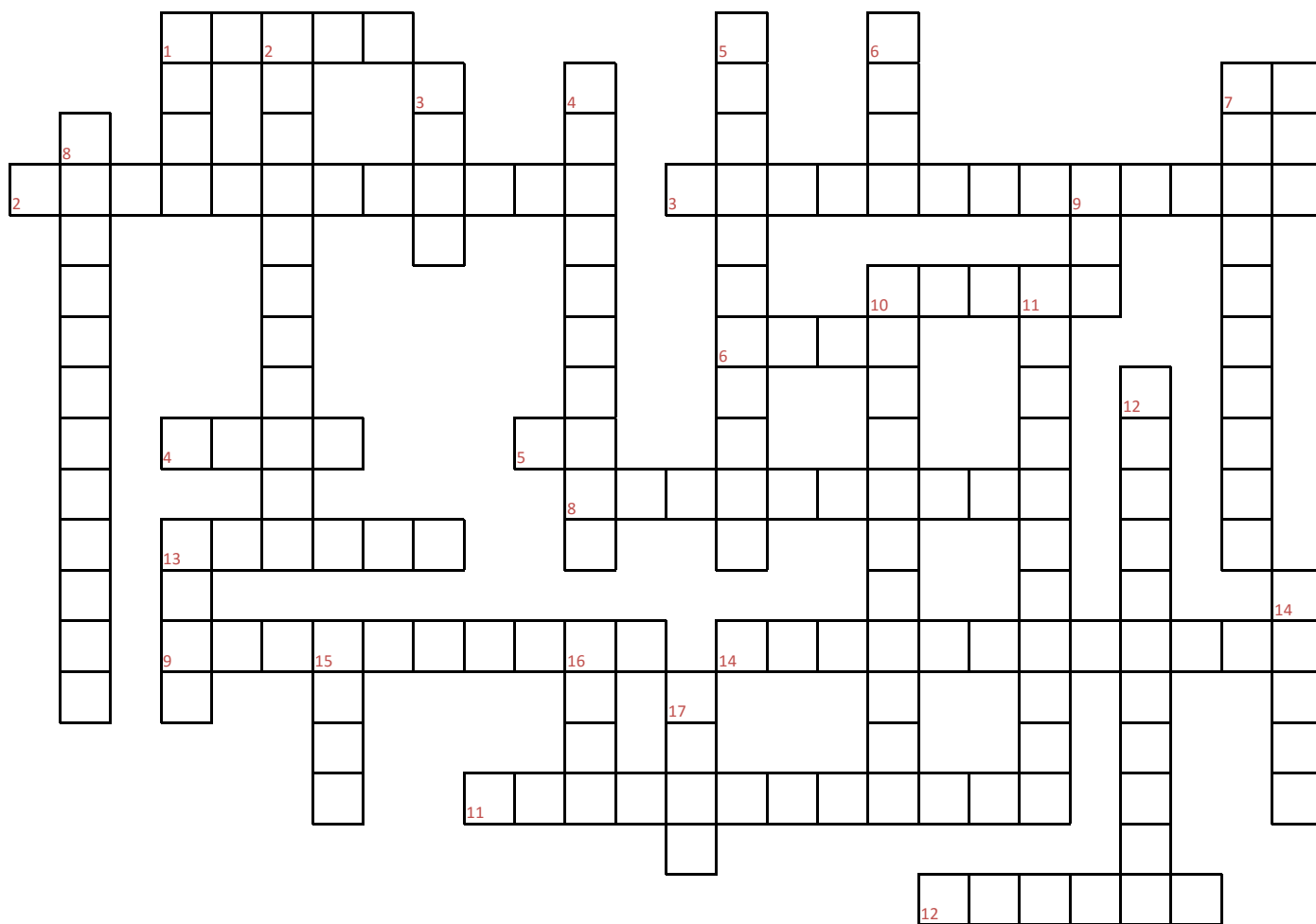
DETERMINE IF EACH NUMBER SET IS AN ARITHMETIC OR GEOMETRIC SEQUENCE. THEN FIND THE UNKNOWN TERM.  
WHEN ENTERING NUMBERS IN THE CROSSWORD NEGATIVES AND DECIMALS GET THEIR OWN SQUARES  
BE SURE TO INCLUDE THE ZERO IN FRONT OF THE DECIMAL

Examples 

$$0.05689 = \begin{array}{|c|c|c|c|c|c|} \hline 0 & . & 0 & 5 & 6 & 8 & 9 \\ \hline \end{array}$$

$$-789,456,235 = \begin{array}{|c|c|c|c|c|c|c|c|c|c|} \hline - & 7 & 8 & 9 & 4 & 5 & 6 & 2 & 3 & 5 \\ \hline \end{array}$$

$$-0.389523 = \begin{array}{|c|c|c|c|c|c|c|} \hline - & 0 & . & 3 & 8 & 9 & 5 & 2 & 3 \\ \hline \end{array}$$



## Vertical

## Horizontal

- |                      |            |                       |            |                         |            |                        |            |
|----------------------|------------|-----------------------|------------|-------------------------|------------|------------------------|------------|
| 1) 72, 48, 24...     | 12TH TERM? | 10) -6, -24, -96...   | 16TH TERM? | 1) 212, 106, 0...       | 14TH TERM? | 8) 4, 20, 100...       | 14TH TERM? |
| 2) 72, 48, 32...     | 10TH TERM? | 11) 200, 40, 8...     | 12TH TERM? | 2) 400, 300, 225...     | 27TH TERM? | 9) -9, 27, -81...      | 18TH TERM? |
| 3) 20, -2, -24...    | 23RD TERM? | 12) 2, -10, 50...     | 14TH TERM? | 3) -2400, -960, -384... | 15TH TERM? | 10) 200, 40, -120...   | 16TH TERM? |
| 4) 8, -16, 32...     | 29TH TERM? | 13) 110, -110, 110... | 32ND TERM? | 4) -10, -17, -24...     | 18TH TERM? | 11) 212, 106, 53...    | 18TH TERM? |
| 5) -1, 5, -25...     | 15TH TERM? | 14) 105, -5, -115...  | 24TH TERM? | 5) -6, -3, 0...         | 15TH TERM? | 12) 3, -6, 12...       | 16TH TERM? |
| 6) 2, -10, -22...    | 32ND TERM? | 15) 10, 120, 230...   | 27TH TERM? | 6) -21, 22, 65...       | 30TH TERM? | 13) 1656, 552, -552... | 22ND TERM? |
| 7) 550, 440, 352...  | 22ND TERM? | 16) -450, -82, 286... | 21ST TERM? | 7) -1, 5, 11...         | 11TH TERM? | 14) 1200, 300, 75...   | 11TH TERM? |
| 8) 1692, 846, 423... | 20TH TERM? | 17) -6, -24, -42...   | 29TH TERM? |                         |            |                        |            |
| 9) 10, 20, 30...     | 27TH TERM? |                       |            |                         |            |                        |            |

# Arithmetic & Geometric Sequences Crossword

## ANSWER KEY

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