



Math worksheet on 'Number Sequences Identify - Arithmetic, First Terms (Level 3)'. Part of a broader unit on 'Patterns and Sums - Intro'

Learn online: app.mobius.academy/math/units/patterns_and_sums_intro/

| | | | |
|---|-----------|-----------|----------|
| 1 What sequence, starting with $z = 1$, are these the first 3 terms of? 17, 26, 35 | a | b | c |
| | $10 + 9z$ | $8 + 10z$ | $5 + 9z$ |
| | d | e | f |
| | $8 + 9z$ | $8 + 6z$ | $8 + 8z$ |

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|---|----------|----------|----------|
| 2 What sequence, starting with $p = 1$, are these the first 3 terms of? 13, 20, 27 | a | b | c |
| | $6 + 4p$ | $6 + 5p$ | $6 + 5p$ |
| | d | e | f |
| | $5 + 7p$ | $8 + 7p$ | $6 + 7p$ |

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| 3 What sequence, starting with $b = 1$, are these the first 3 terms of? 11, 19, 27 | a | b | c |
| | $3 + 8b$ | $3 + 5b$ | $0 + 8b$ |
| | d | e | f |
| | $3 + 7b$ | $3 + 10b$ | $3 + 7b$ |

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| 4 What sequence, starting with $r = 1$, are these the first 3 terms of? 14, 22, 30 | a | b | c |
| | $5 + 8r$ | $3 + 8r$ | $6 + 9r$ |
| | d | e | f |
| | $6 + 7r$ | $6 + 8r$ | $4 + 8r$ |

| | | | |
|---|-----------|----------|-----------|
| 5 What sequence, starting with $d = 1$, are these the first 3 terms of? 11, 13, 15 | a | b | c |
| | $10 + 2d$ | $9 + 0d$ | $9 + -1d$ |
| | d | e | f |
| | $7 + 2d$ | $9 + 2d$ | $10 + 2d$ |

| | | | |
|---|----------|----------|----------|
| 6 What sequence, starting with $p = 1$, are these the first 3 terms of? 12, 17, 22 | a | b | c |
| | $7 + 7p$ | $7 + 7p$ | $6 + 5p$ |
| | d | e | f |
| | $8 + 5p$ | $7 + 5p$ | $4 + 5p$ |

| | | | |
|---|----------|-----------|----------|
| 7 What sequence, starting with $y = 1$, are these the first 3 terms of? 10, 12, 14 | a | b | c |
| | $8 + 2y$ | $8 + 1y$ | $8 + 1y$ |
| | d | e | f |
| | $8 + 4y$ | $8 + -1y$ | $8 + 4y$ |