Mathematics

Sequences Descending arithmetic sequences

Downloadable Resource

Ms Jones



Try this

Describe the sequences in the highlighted columns.

What's the same or different?

| 1 | 2 | 3 | 4 | 5 |
|----|----|----|----|----|
| 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 |

| -1 | -2 | -3 | -4 | -5 |
|-----|-----|-----|-----|-----|
| -6 | -7 | -8 | -9 | -10 |
| -11 | -12 | -13 | -14 | -15 |
| -16 | -17 | -18 | -19 | -20 |
| -21 | -22 | -23 | -24 | -25 |

| 4 | 3 | 2 | 1 | 0 |
|-----|-----|-----|-----|-----|
| -1 | -2 | -3 | -4 | -5 |
| -6 | -7 | -8 | -9 | -10 |
| -11 | -12 | -13 | -14 | -15 |
| -16 | -17 | -18 | -19 | -20 |



Independent task

Match the cards to make sets of nth term rules, sequences and descriptions.

Create missing cards so each set has three.



Explore

Xavier and Yasmin are discussing the arithmetic sequence below.

I'm going to multiply every term in the sequence by 3.

How will the sequences change? How will the nth term rules change?

