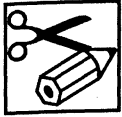


Make a Sequence

Leader



Introduce the idea that many sequences can be constructed by utilizing a rule which relates each term of the sequence to its term number.



You will need:

- Pencil



Do this:

- Emphasize the difference between Term Number and the Term itself.
- The Term Numbers are simply the counting numbers.
- Each Term of the sequence is determined by following the given rule.



Dolan, Daniel T., and James Williamson. *Teaching Problem-Solving Strategies*. Addison-Wesley Publishing Company, Inc. 1983:230–231.

Make a Sequence

Student _____



Do this:

- Complete the first seven terms in each sequence.

Example: Term numbers times 5.

1st Term	2nd Term	3rd Term	4th Term	5th Term
1×5	2×5	3×5	4×5	___ \times ___
<u>5</u>	<u>10</u>	<u>15</u>	_____	_____

Sequence rules	Term Numbers						
	1	2	3	4	5	6	7
1. Term number times 2.	_____	_____	_____	_____	_____	_____	_____
2. Term number times 3, minus 1.	_____	_____	_____	_____	_____	_____	_____
3. Term number times (-5), plus 55.	_____	_____	_____	_____	_____	_____	_____
4. Term number times 7, plus 2.	_____	_____	_____	_____	_____	_____	_____
5. Term number times (-4), plus 91.	_____	_____	_____	_____	_____	_____	_____
6. Square the term number.	_____	_____	_____	_____	_____	_____	_____
7. Term number times the next term number.	_____	_____	_____	_____	_____	_____	_____



WHAT I FOUND