Numerical Patterns and Ordered Pairs - ANSWER KEY

Grade 5 | Generating two patterns, comparing their terms and forming ordered pairs | Version 2 of 10

Use each rule to fill in the table. Then compare the two patterns and write the ordered pair for the last pair of terms (Rule A term, Rule B term).

1. Rule A: Start at 0. Add 6. Rule B: Start at 0. Add 30.

Rule A	0	**6**	12	18	**24**	**30**
Rule B	0	**30**	60	90	**120**	**150**

Each Rule B term is **5** times the Rule A term. **Last ordered pair: ((30, 150))**

2. Rule A: Start at 0. Add 14. Rule B: Start at 0. Add 42.

Rule A	0	14	**28**	42	**56**	**70**
Rule B	0	42	**84**	126	**168**	**210**

Each Rule B term is **3** times the Rule A term. **Last ordered pair: ((70, 210))**

3. Rule A: Start at 0. Add 7. Rule B: Start at 0. Add 28.

Rule A	0	**7**	**14**	21	28	**35**
Rule B	0	**28**	**56**	84	112	**140**

Each Rule B term is **4** times the Rule A term. **Last ordered pair: ((35, 140))**

4. Rule A: Start at 0. Add 12. Rule B: Start at 0. Add 48.

Rule A	0	12	24	**36**	**48**	**60**
Rule B	0	48	96	**144**	**192**	**240**

Each Rule B term is **4** times the Rule A term. **Last ordered pair: ((60, 240))**

5. Rule A: Start at 0. Add 15. Rule B: Start at 0. Add 60.

Rule A	0	**15**	**30**	**45**	60	75
Rule B	0	**60**	**120**	**180**	240	300

Each Rule B term is **4** times the Rule A term. **Last ordered pair: ((75, 300))**