Name: _____ Date: _____

Numerical Patterns and Ordered Pairs

Grade 5 | Generating two patterns, comparing their terms and forming ordered pairs | Version 6 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 12. Rule B: Start at 0. Add 24.

Rule A	0	12			48	
Rule B	0	24			96	

Each Rule B term is _____ times the Rule A term. Last ordered pair: (_____ , _____)

2. Rule A: Start at 0. Add 14. Rule B: Start at 0. Add 70.

Rule A	0				56	70
Rule B	0				280	350

Each Rule B term is _____ times the Rule A term. Last ordered pair: (_____ , _____)

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

Rule A	0			36	48	
Rule B	0			144	192	

Each Rule B term is _____ times the Rule A term. Last ordered pair: (_____ , _____)

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

Rule A	0	15				75
Rule B	0	60				300

Each Rule B term is _____ times the Rule A term. Last ordered pair: (_____ , _____)

5. Rule A: Start at 0. Add 12. Rule B: Start at 0. Add 24.

Rule A	0			36	48	
Rule B	0			72	96	

Each Rule B term is _____ times the Rule A term. Last ordered pair: (_____ , _____)

Numerical Patterns and Ordered Pairs - ANSWER KEY

Grade 5 | Generating two patterns, comparing their terms and forming ordered pairs | Version 6 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 12. Rule B: Start at 0. Add 24.

Rule A	0	12	**24**	**36**	48	**60**
Rule B	0	24	**48**	**72**	96	**120**

Each Rule B term is **2** times the Rule A term. **Last ordered pair: ((60, 120))**

2. Rule A: Start at 0. Add 14. Rule B: Start at 0. Add 70.

Rule A	0	**14**	**28**	**42**	56	70
Rule B	0	**70**	**140**	**210**	280	350

Each Rule B term is **5** times the Rule A term. **Last ordered pair: ((70, 350))**

3. 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))**

4. 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))**

5. Rule A: Start at 0. Add 12. Rule B: Start at 0. Add 24.

Rule A	0	**12**	**24**	36	48	**60**
Rule B	0	**24**	**48**	72	96	**120**

Each Rule B term is **2** times the Rule A term. **Last ordered pair: ((60, 120))**