Name: _____ Date: _____

Numerical Patterns and Ordered Pairs

Grade 5 | Generating two patterns, comparing their terms and forming ordered pairs | Version 9 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 8. Rule B: Start at 0. Add 24.

Rule A	0	8			32	
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 13. Rule B: Start at 0. Add 26.

Rule A	0			39		65
Rule B	0			78		130

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

3. Rule A: Start at 0. Add 4. Rule B: Start at 0. Add 16.

Rule A	0		8			20
Rule B	0		32			80

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

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

Rule A	0	3	6			
Rule B	0	12	24			

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

5. Rule A: Start at 0. Add 3. Rule B: Start at 0. Add 15.

Rule A	0			9		15
Rule B	0			45		75

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 9 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 8. Rule B: Start at 0. Add 24.

Rule A	0	8	**16**	**24**	32	**40**
Rule B	0	24	**48**	**72**	96	**120**

Each Rule B term is **3** times the Rule A term. **Last ordered pair: ((40, 120))**

2. Rule A: Start at 0. Add 13. Rule B: Start at 0. Add 26.

Rule A	0	**13**	**26**	39	**52**	65
Rule B	0	**26**	**52**	78	**104**	130

Each Rule B term is **2** times the Rule A term. **Last ordered pair: ((65, 130))**

3. Rule A: Start at 0. Add 4. Rule B: Start at 0. Add 16.

Rule A	0	**4**	8	**12**	**16**	20
Rule B	0	**16**	32	**48**	**64**	80

Each Rule B term is **4** times the Rule A term. **Last ordered pair: ((20, 80))**

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

Rule A	0	3	6	**9**	**12**	**15**
Rule B	0	12	24	**36**	**48**	**60**

Each Rule B term is **4** times the Rule A term. **Last ordered pair: ((15, 60))**

5. Rule A: Start at 0. Add 3. Rule B: Start at 0. Add 15.

Rule A	0	**3**	**6**	9	**12**	15
Rule B	0	**15**	**30**	45	**60**	75

Each Rule B term is **5** times the Rule A term. **Last ordered pair: ((15, 75))**