Name: _____ Date: _____

Numerical Patterns and Ordered Pairs

Grade 5 | Generating two patterns, comparing their terms and forming ordered pairs | Version 3 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 13. Rule B: Start at 0. Add 39.

Rule A	0	13	26			
Rule B	0	39	78			

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

2. Rule A: Start at 0. Add 9. Rule B: Start at 0. Add 27.

Rule A	0		18			45
Rule B	0		54			135

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

3. Rule A: Start at 0. Add 15. Rule B: Start at 0. Add 30.

Rule A	0		30			75
Rule B	0		60			150

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 45.

Rule A	0			45	60	
Rule B	0			135	180	

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

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

Rule A	0		8		16	
Rule B	0		24		48	

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 3 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 13. Rule B: Start at 0. Add 39.

Rule A	0	13	26	**39**	**52**	**65**
Rule B	0	39	78	**117**	**156**	**195**

Each Rule B term is **3** times the Rule A term. **Last ordered pair: (65, 195)**

2. Rule A: Start at 0. Add 9. Rule B: Start at 0. Add 27.

Rule A	0	**9**	18	**27**	**36**	45
Rule B	0	**27**	54	**81**	**108**	135

Each Rule B term is **3** times the Rule A term. **Last ordered pair: (45, 135)**

3. Rule A: Start at 0. Add 15. Rule B: Start at 0. Add 30.

Rule A	0	**15**	30	**45**	**60**	75
Rule B	0	**30**	60	**90**	**120**	150

Each Rule B term is **2** times the Rule A term. **Last ordered pair: (75, 150)**

4. Rule A: Start at 0. Add 15. Rule B: Start at 0. Add 45.

Rule A	0	**15**	**30**	45	60	**75**
Rule B	0	**45**	**90**	135	180	**225**

Each Rule B term is **3** times the Rule A term. **Last ordered pair: (75, 225)**

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

Rule A	0	**4**	8	**12**	16	**20**
Rule B	0	**12**	24	**36**	48	**60**

Each Rule B term is **3** times the Rule A term. **Last ordered pair: (20, 60)**