Name: _____ Date: _____

Numerical Patterns and Ordered Pairs

Grade 5 | Generating two patterns, comparing their terms and forming ordered pairs | Version 7 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 4. Rule B: Start at 0. Add 20.

Rule A	0			12	16	
Rule B	0			60	80	

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

2. Rule A: Start at 0. Add 3. Rule B: Start at 0. Add 6.

Rule A	0				12	15
Rule B	0				24	30

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

3. Rule A: Start at 0. Add 13. Rule B: Start at 0. Add 65.

Rule A	0	13		39		
Rule B	0	65		195		

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

4. Rule A: Start at 0. Add 10. Rule B: Start at 0. Add 40.

Rule A	0		20	30		
Rule B	0		80	120		

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

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

Rule A	0	15		45		
Rule B	0	45		135		

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 7 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 4. Rule B: Start at 0. Add 20.

Rule A	0	**4**	**8**	12	16	**20**
Rule B	0	**20**	**40**	60	80	**100**

Each Rule B term is **5** times the Rule A term. **Last ordered pair: ((20, 100))**

2. Rule A: Start at 0. Add 3. Rule B: Start at 0. Add 6.

Rule A	0	**3**	**6**	**9**	12	15
Rule B	0	**6**	**12**	**18**	24	30

Each Rule B term is **2** times the Rule A term. **Last ordered pair: ((15, 30))**

3. Rule A: Start at 0. Add 13. Rule B: Start at 0. Add 65.

Rule A	0	13	**26**	39	**52**	**65**
Rule B	0	65	**130**	195	**260**	**325**

Each Rule B term is **5** times the Rule A term. **Last ordered pair: ((65, 325))**

4. Rule A: Start at 0. Add 10. Rule B: Start at 0. Add 40.

Rule A	0	**10**	20	30	**40**	**50**
Rule B	0	**40**	80	120	**160**	**200**

Each Rule B term is **4** times the Rule A term. **Last ordered pair: ((50, 200))**

5. 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))**