Name: _____ Date: _____

Numerical Patterns and Ordered Pairs

Grade 5 | Generating two patterns, comparing their terms and forming ordered pairs | Version 5 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 11. Rule B: Start at 0. Add 44.

Rule A	0	11				55
Rule B	0	44				220

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 65.

Rule A	0		26	39		
Rule B	0		130	195		

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

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

Rule A	0	3			12	
Rule B	0	12			48	

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

4. Rule A: Start at 0. Add 2. Rule B: Start at 0. Add 8.

Rule A	0				8	10
Rule B	0				32	40

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

5. Rule A: Start at 0. Add 2. Rule B: Start at 0. Add 4.

Rule A	0				8	10
Rule B	0				16	20

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 5 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 11. Rule B: Start at 0. Add 44.

Rule A	0	11	**22**	**33**	**44**	55
Rule B	0	44	**88**	**132**	**176**	220

Each Rule B term is **4** times the Rule A term. **Last ordered pair: ((55, 220))**

2. 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))**

3. 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))**

4. Rule A: Start at 0. Add 2. Rule B: Start at 0. Add 8.

Rule A	0	**2**	**4**	**6**	8	10
Rule B	0	**8**	**16**	**24**	32	40

Each Rule B term is **4** times the Rule A term. **Last ordered pair: ((10, 40))**

5. Rule A: Start at 0. Add 2. Rule B: Start at 0. Add 4.

Rule A	0	**2**	**4**	**6**	8	10
Rule B	0	**4**	**8**	**12**	16	20

Each Rule B term is **2** times the Rule A term. **Last ordered pair: ((10, 20))**