Name: _____ Date: _____

Numerical Patterns and Ordered Pairs

Grade 5 | Generating two patterns, comparing their terms and forming ordered pairs | Version 4 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 6. Rule B: Start at 0. Add 18.

Rule A	0	6		18		
Rule B	0	18		54		

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

2. Rule A: Start at 0. Add 12. Rule B: Start at 0. Add 36.

Rule A	0	12				60
Rule B	0	36				180

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

3. Rule A: Start at 0. Add 9. Rule B: Start at 0. Add 36.

Rule A	0	9	18			
Rule B	0	36	72			

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 20.

Rule A	0			30		50
Rule B	0			60		100

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				48	60
Rule B	0				96	120

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 4 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 6. Rule B: Start at 0. Add 18.

Rule A	0	6	**12**	18	**24**	**30**
Rule B	0	18	**36**	54	**72**	**90**

Each Rule B term is **3** times the Rule A term. **Last ordered pair: ((30, 90))**

2. Rule A: Start at 0. Add 12. Rule B: Start at 0. Add 36.

Rule A	0	12	**24**	**36**	**48**	60
Rule B	0	36	**72**	**108**	**144**	180

Each Rule B term is **3** times the Rule A term. **Last ordered pair: ((60, 180))**

3. Rule A: Start at 0. Add 9. Rule B: Start at 0. Add 36.

Rule A	0	9	18	**27**	**36**	**45**
Rule B	0	36	72	**108**	**144**	**180**

Each Rule B term is **4** times the Rule A term. **Last ordered pair: ((45, 180))**

4. Rule A: Start at 0. Add 10. Rule B: Start at 0. Add 20.

Rule A	0	**10**	**20**	30	**40**	50
Rule B	0	**20**	**40**	60	**80**	100

Each Rule B term is **2** times the Rule A term. **Last ordered pair: ((50, 100))**

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))**