Numerical Patterns and Ordered Pairs - ANSWER KEY

Grade 5 | Generating two patterns, comparing their terms and forming ordered pairs | Version 1 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 5. Rule B: Start at 0. Add 10.

Rule A	0	5	**10**	**15**	20	**25**
Rule B	0	10	**20**	**30**	40	**50**

Each Rule B term is **2** times the Rule A term. **Last ordered pair: ((25, 50) , _____)**

2. 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) , _____)**

3. 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) , _____)**

4. 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) , _____)**

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) , _____)**

Numerical Patterns and Ordered Pairs - ANSWER KEY

Grade 5 | Generating two patterns, comparing their terms and forming ordered pairs | Version 2 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 30.

Rule A	0	**6**	12	18	**24**	**30**
Rule B	0	**30**	60	90	**120**	**150**

Each Rule B term is **5** times the Rule A term. **Last ordered pair: ((30, 150))**

2. Rule A: Start at 0. Add 14. Rule B: Start at 0. Add 42.

Rule A	0	14	**28**	42	**56**	**70**
Rule B	0	42	**84**	126	**168**	**210**

Each Rule B term is **3** times the Rule A term. **Last ordered pair: ((70, 210))**

3. Rule A: Start at 0. Add 7. Rule B: Start at 0. Add 28.

Rule A	0	**7**	**14**	21	28	**35**
Rule B	0	**28**	**56**	84	112	**140**

Each Rule B term is **4** times the Rule A term. **Last ordered pair: ((35, 140))**

4. Rule A: Start at 0. Add 12. Rule B: Start at 0. Add 48.

Rule A	0	12	24	**36**	**48**	**60**
Rule B	0	48	96	**144**	**192**	**240**

Each Rule B term is **4** times the Rule A term. **Last ordered pair: ((60, 240))**

5. Rule A: Start at 0. Add 15. Rule B: Start at 0. Add 60.

Rule A	0	**15**	**30**	**45**	60	75
Rule B	0	**60**	**120**	**180**	240	300

Each Rule B term is **4** times the Rule A term. **Last ordered pair: ((75, 300))**

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)**

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))**

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))**

Numerical Patterns and Ordered Pairs - ANSWER KEY

Grade 5 | Generating two patterns, comparing their terms and forming ordered pairs | Version 6 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 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))**

2. Rule A: Start at 0. Add 14. Rule B: Start at 0. Add 70.

Rule A	0	**14**	**28**	**42**	56	70
Rule B	0	**70**	**140**	**210**	280	350

Each Rule B term is **5** times the Rule A term. **Last ordered pair: ((70, 350))**

3. Rule A: Start at 0. Add 12. Rule B: Start at 0. Add 48.

Rule A	0	**12**	**24**	36	48	**60**
Rule B	0	**48**	**96**	144	192	**240**

Each Rule B term is **4** times the Rule A term. **Last ordered pair: ((60, 240))**

4. Rule A: Start at 0. Add 15. Rule B: Start at 0. Add 60.

Rule A	0	15	**30**	**45**	**60**	75
Rule B	0	60	**120**	**180**	**240**	300

Each Rule B term is **4** times the Rule A term. **Last ordered pair: ((75, 300))**

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))**

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))**

Numerical Patterns and Ordered Pairs - ANSWER KEY

Grade 5 | Generating two patterns, comparing their terms and forming ordered pairs | Version 8 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 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))**

2. Rule A: Start at 0. Add 15. Rule B: Start at 0. Add 75.

Rule A	0	**15**	**30**	45	**60**	75
Rule B	0	**75**	**150**	225	**300**	375

Each Rule B term is **5** times the Rule A term. **Last ordered pair: ((75, 375))**

3. 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))**

4. Rule A: Start at 0. Add 7. Rule B: Start at 0. Add 14.

Rule A	0	**7**	14	21	**28**	**35**
Rule B	0	**14**	28	42	**56**	**70**

Each Rule B term is **2** times the Rule A term. **Last ordered pair: ((35, 70))**

5. Rule A: Start at 0. Add 9. Rule B: Start at 0. Add 45.

Rule A	0	9	18	**27**	**36**	**45**
Rule B	0	45	90	**135**	**180**	**225**

Each Rule B term is **5** times the Rule A term. **Last ordered pair: ((45, 225))**

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))**

Numerical Patterns and Ordered Pairs - ANSWER KEY

Grade 5 | Generating two patterns, comparing their terms and forming ordered pairs | Version 10 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 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) , _____)**

2. Rule A: Start at 0. Add 2. Rule B: Start at 0. Add 10.

Rule A	0	**2**	**4**	6	**8**	10
Rule B	0	**10**	**20**	30	**40**	50

Each Rule B term is **5** times the Rule A term. **Last ordered pair: ((10, 50) , _____)**

3. Rule A: Start at 0. Add 14. Rule B: Start at 0. Add 56.

Rule A	0	14	**28**	**42**	56	**70**
Rule B	0	56	**112**	**168**	224	**280**

Each Rule B term is **4** times the Rule A term. **Last ordered pair: ((70, 280) , _____)**

4. Rule A: Start at 0. Add 7. Rule B: Start at 0. Add 28.

Rule A	0	**7**	14	**21**	**28**	35
Rule B	0	**28**	56	**84**	**112**	140

Each Rule B term is **4** times the Rule A term. **Last ordered pair: ((35, 140) , _____)**

5. Rule A: Start at 0. Add 14. Rule B: Start at 0. Add 28.

Rule A	0	**14**	**28**	**42**	56	70
Rule B	0	**28**	**56**	**84**	112	140

Each Rule B term is **2** times the Rule A term. **Last ordered pair: ((70, 140) , _____)**