# Number Patterns: Find the Rule - ANSWER KEY

Grade 3 | Finding and continuing add and subtract number patterns | Version 1 of 10

*Find the rule for each pattern (add or subtract the same number each time). Write the missing numbers, then write the rule.*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1. | 24 | **33** | **42** | 51 | 60 | 69 | Rule: **add 9** |
| 2. | 67 | 63 | **59** | 55 | **51** | 47 | Rule: **subtract 4** |
| 3. | 75 | **68** | 61 | **54** | 47 | 40 | Rule: **subtract 7** |
| 4. | 4 | 10 | 16 | **22** | **28** | 34 | Rule: **add 6** |
| 5. | 78 | **74** | 70 | 66 | 62 | **58** | Rule: **subtract 4** |
| 6. | 5 | **12** | 19 | 26 | 33 | **40** | Rule: **add 7** |
| 7. | 5 | **11** | 17 | **23** | 29 | 35 | Rule: **add 6** |
| 8. | 31 | 36 | 41 | 46 | **51** | **56** | Rule: **add 5** |
| 9. | 36 | **33** | **30** | 27 | 24 | 21 | Rule: **subtract 3** |
| 10. | 16 | 28 | **40** | 52 | **64** | 76 | Rule: **add 12** |

# Number Patterns: Find the Rule - ANSWER KEY

Grade 3 | Finding and continuing add and subtract number patterns | Version 2 of 10

*Find the rule for each pattern (add or subtract the same number each time). Write the missing numbers, then write the rule.*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1. | 93 | **81** | **69** | 57 | 45 | 33 | Rule: **subtract 12** |
| 2. | 12 | 17 | 22 | **27** | **32** | 37 | Rule: **add 5** |
| 3. | 105 | **93** | 81 | 69 | **57** | 45 | Rule: **subtract 12** |
| 4. | 18 | 28 | **38** | 48 | **58** | 68 | Rule: **add 10** |
| 5. | 35 | 41 | 47 | **53** | **59** | 65 | Rule: **add 6** |
| 6. | 8 | **14** | 20 | **26** | 32 | 38 | Rule: **add 6** |
| 7. | 35 | 44 | **53** | 62 | 71 | **80** | Rule: **add 9** |
| 8. | 109 | 97 | 85 | **73** | 61 | **49** | Rule: **subtract 12** |
| 9. | 45 | **42** | 39 | 36 | **33** | 30 | Rule: **subtract 3** |
| 10. | 6 | **8** | 10 | 12 | **14** | 16 | Rule: **add 2** |

# Number Patterns: Find the Rule - ANSWER KEY

Grade 3 | Finding and continuing add and subtract number patterns | Version 3 of 10

*Find the rule for each pattern (add or subtract the same number each time). Write the missing numbers, then write the rule.*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1. | 17 | **25** | **33** | 41 | 49 | 57 | Rule: **add 8** |
| 2. | 36 | **46** | **56** | 66 | 76 | 86 | Rule: **add 10** |
| 3. | 21 | **17** | 13 | 9 | 5 | **1** | Rule: **subtract 4** |
| 4. | 97 | **85** | 73 | **61** | 49 | 37 | Rule: **subtract 12** |
| 5. | 24 | 27 | **30** | 33 | 36 | **39** | Rule: **add 3** |
| 6. | 41 | 51 | 61 | **71** | **81** | 91 | Rule: **add 10** |
| 7. | 2 | **6** | 10 | **14** | 18 | 22 | Rule: **add 4** |
| 8. | 118 | 106 | 94 | **82** | 70 | **58** | Rule: **subtract 12** |
| 9. | 93 | 82 | **71** | **60** | 49 | 38 | Rule: **subtract 11** |
| 10. | 41 | **53** | 65 | 77 | 89 | **101** | Rule: **add 12** |

# Number Patterns: Find the Rule - ANSWER KEY

Grade 3 | Finding and continuing add and subtract number patterns | Version 4 of 10

*Find the rule for each pattern (add or subtract the same number each time). Write the missing numbers, then write the rule.*

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1. | 45 | **49** | 53 | **57** | 61 | 65 | Rule: | **add 4** |
| 2. | 50 | 54 | 58 | 62 | **66** | **70** | Rule: | **add 4** |
| 3. | 86 | 80 | 74 | 68 | **62** | **56** | Rule: | **subtract 6** |
| 4. | 25 | **35** | 45 | 55 | 65 | **75** | Rule: | **add 10** |
| 5. | 72 | 69 | 66 | 63 | **60** | **57** | Rule: | **subtract 3** |
| 6. | 73 | **67** | 61 | **55** | 49 | 43 | Rule: | **subtract 6** |
| 7. | 7 | 15 | 23 | **31** | 39 | **47** | Rule: | **add 8** |
| 8. | 65 | 55 | **45** | 35 | **25** | 15 | Rule: | **subtract 10** |
| 9. | 5 | **15** | 25 | **35** | 45 | 55 | Rule: | **add 10** |
| 10. | 17 | **19** | 21 | 23 | **25** | 27 | Rule: | **add 2** |

# Number Patterns: Find the Rule - ANSWER KEY

Grade 3 | Finding and continuing add and subtract number patterns | Version 5 of 10

*Find the rule for each pattern (add or subtract the same number each time). Write the missing numbers, then write the rule.*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1. | 24 | **26** | **28** | 30 | 32 | 34 | Rule: **add 2** |
| 2. | 32 | 40 | 48 | **56** | 64 | **72** | Rule: **add 8** |
| 3. | 22 | **27** | 32 | 37 | 42 | **47** | Rule: **add 5** |
| 4. | 98 | **88** | 78 | 68 | **58** | 48 | Rule: **subtract 10** |
| 5. | 70 | **65** | **60** | 55 | 50 | 45 | Rule: **subtract 5** |
| 6. | 82 | **72** | 62 | 52 | 42 | **32** | Rule: **subtract 10** |
| 7. | 2 | 11 | 20 | **29** | **38** | 47 | Rule: **add 9** |
| 8. | 45 | 51 | **57** | 63 | **69** | 75 | Rule: **add 6** |
| 9. | 43 | 46 | 49 | 52 | **55** | **58** | Rule: **add 3** |
| 10. | 29 | 27 | **25** | **23** | 21 | 19 | Rule: **subtract 2** |

# Number Patterns: Find the Rule - ANSWER KEY

Grade 3 | Finding and continuing add and subtract number patterns | Version 6 of 10

*Find the rule for each pattern (add or subtract the same number each time). Write the missing numbers, then write the rule.*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1. | 13 | 24 | **35** | 46 | 57 | **68** | Rule: **add 11** |
| 2. | 74 | 70 | **66** | 62 | 58 | **54** | Rule: **subtract 4** |
| 3. | 29 | **31** | **33** | 35 | 37 | 39 | Rule: **add 2** |
| 4. | 47 | **40** | 33 | **26** | 19 | 12 | Rule: **subtract 7** |
| 5. | 1 | 8 | **15** | 22 | 29 | **36** | Rule: **add 7** |
| 6. | 1 | 12 | **23** | **34** | 45 | 56 | Rule: **add 11** |
| 7. | 67 | 58 | **49** | 40 | **31** | 22 | Rule: **subtract 9** |
| 8. | 60 | **53** | 46 | 39 | 32 | **25** | Rule: **subtract 7** |
| 9. | 9 | **11** | 13 | 15 | 17 | **19** | Rule: **add 2** |
| 10. | 9 | 14 | 19 | **24** | **29** | 34 | Rule: **add 5** |

# Number Patterns: Find the Rule - ANSWER KEY

Grade 3 | Finding and continuing add and subtract number patterns | Version 7 of 10

*Find the rule for each pattern (add or subtract the same number each time). Write the missing numbers, then write the rule.*

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1. | 55 | **51** | 47 | 43 | 39 | **35** | Rule: | **subtract 4** |
| 2. | 35 | 37 | 39 | 41 | **43** | **45** | Rule: | **add 2** |
| 3. | 46 | 49 | **52** | 55 | **58** | 61 | Rule: | **add 3** |
| 4. | 101 | 90 | 79 | **68** | **57** | 46 | Rule: | **subtract 11** |
| 5. | 8 | **19** | **30** | 41 | 52 | 63 | Rule: | **add 11** |
| 6. | 32 | 37 | 42 | **47** | 52 | **57** | Rule: | **add 5** |
| 7. | 18 | 25 | 32 | **39** | **46** | 53 | Rule: | **add 7** |
| 8. | 12 | **18** | 24 | 30 | **36** | 42 | Rule: | **add 6** |
| 9. | 98 | **89** | **80** | 71 | 62 | 53 | Rule: | **subtract 9** |
| 10. | 28 | **25** | **22** | 19 | 16 | 13 | Rule: | **subtract 3** |

# Number Patterns: Find the Rule - ANSWER KEY

Grade 3 | Finding and continuing add and subtract number patterns | Version 8 of 10

*Find the rule for each pattern (add or subtract the same number each time). Write the missing numbers, then write the rule.*

1. 28, **31**, 34, 37, 40, **43** — Rule: **add 3**

2. 40, 52, **64**, 76, 88, **100** — Rule: **add 12**

3. 21, 24, **27**, **30**, 33, 36 — Rule: **add 3**

4. 24, **34**, 44, 54, **64**, 74 — Rule: **add 10**

5. 45, **48**, **51**, 54, 57, 60 — Rule: **add 3**

6. 28, **24**, **20**, 16, 12, 8 — Rule: **subtract 4**

7. 109, **99**, 89, **79**, 69, 59 — Rule: **subtract 10**

8. 38, 32, **26**, **20**, 14, 8 — Rule: **subtract 6**

9. 77, 68, **59**, **50**, 41, 32 — Rule: **subtract 9**

10. 32, **41**, 50, **59**, 68, 77 — Rule: **add 9**

# Number Patterns: Find the Rule - ANSWER KEY

Grade 3 | Finding and continuing add and subtract number patterns | Version 9 of 10

*Find the rule for each pattern (add or subtract the same number each time). Write the missing numbers, then write the rule.*

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1. | 29 | 33 | **37** | 41 | **45** | 49 | Rule: | **add 4** |
| 2. | 93 | 85 | 77 | 69 | **61** | **53** | Rule: | **subtract 8** |
| 3. | 89 | 77 | 65 | **53** | **41** | 29 | Rule: | **subtract 12** |
| 4. | 16 | **26** | 36 | **46** | 56 | 66 | Rule: | **add 10** |
| 5. | 29 | **38** | 47 | 56 | 65 | **74** | Rule: | **add 9** |
| 6. | 31 | 33 | 35 | **37** | 39 | **41** | Rule: | **add 2** |
| 7. | 20 | 27 | **34** | 41 | **48** | 55 | Rule: | **add 7** |
| 8. | 37 | 39 | 41 | **43** | 45 | **47** | Rule: | **add 2** |
| 9. | 39 | 37 | 35 | **33** | **31** | 29 | Rule: | **subtract 2** |
| 10. | 90 | 79 | **68** | **57** | 46 | 35 | Rule: | **subtract 11** |

# Number Patterns: Find the Rule - ANSWER KEY

Grade 3 | Finding and continuing add and subtract number patterns | Version 10 of 10

*Find the rule for each pattern (add or subtract the same number each time). Write the missing numbers, then write the rule.*

1. 66, 58, **50**, **42**, 34, 26 — Rule: **subtract 8**

2. 43, **46**, 49, 52, 55, **58** — Rule: **add 3**

3. 40, **49**, 58, **67**, 76, 85 — Rule: **add 9**

4. 65, **56**, 47, 38, **29**, 20 — Rule: **subtract 9**

5. 90, 84, 78, **72**, **66**, 60 — Rule: **subtract 6**

6. 118, 106, **94**, **82**, 70, 58 — Rule: **subtract 12**

7. 5, **7**, 9, 11, 13, **15** — Rule: **add 2**

8. 38, **49**, **60**, 71, 82, 93 — Rule: **add 11**

9. 28, 32, **36**, 40, 44, **48** — Rule: **add 4**

10. 50, 62, **74**, 86, 98, **110** — Rule: **add 12**