

Name: _____ Date: _____ Score: _____/20

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| 1. Stickers: 21, then 18, then 15. How many come next if the pattern continues? ----- | 11. Days: 3, 6, 9, 12. Describe the rule in one short phrase. ----- |
| 2. In $\rightarrow$ Out: $1 \rightarrow 5$, $2 \rightarrow 10$, $4 \rightarrow 20$, $5 \rightarrow 25$. What is the rule? ----- | 12. Rule: multiply by 2. Complete: In _____ $\rightarrow$ Out 16 ----- |
| 3. Look at 14, 16, 18, 20. Are these all even or all odd? Write even or odd. ----- | 13. Fill in the blank: 4, 7, _____, 13, 16 ----- |
| 4. Rule: add 6. Complete: In 10 $\rightarrow$ Out _____ ----- | 14. Fill in the blank: 1, 9, 17, _____, 33 ----- |
| 5. In $\rightarrow$ Out: $2 \rightarrow 10$, $7 \rightarrow 15$, $8 \rightarrow 16$. What is the rule? ----- | 15. In $\rightarrow$ Out: $7 \rightarrow 14$, $8 \rightarrow 15$, $11 \rightarrow 18$. What is the rule? ----- |
| 6. Multiples of 5 end in _____ or _____. Example list: 85, 90, 95. ----- | 16. Pattern: 14, 16, 18, 20, _____. What comes next? ----- |
| 7. Fill in the blank: _____, 9, 11, 13, 15 ----- | 17. In $\rightarrow$ Out: $3 \rightarrow 5$, $5 \rightarrow 7$, $11 \rightarrow 13$. What is the rule? ----- |
| 8. Blocks: 1, then 6, then 11. How many come next if the pattern continues? ----- | 18. Skip-count by 10: _____, 20, ... ----- |
| 9. Rows: 3, then 6, then 9. How many come next if the pattern continues? ----- | 19. Stickers: 7, 10, 13, 16. Describe the rule in one short phrase. ----- |
| 10. Pattern: 13, 18, 23, 28. What are the next two numbers? ----- | 20. Pattern: 10, 20, 30, 40. What are the next two numbers? ----- |

Name: _____ Date: _____ Score: _____/20

1. Adding 35 (odd) and 32 (even) gives an ____ number. -----

11. Days: 5, 9, 13, 17. Describe the rule in one short phrase. -----

2. Beads: 5, 7, 9, 11. Describe the rule in one short phrase. -----

12. Fill in the blank: ____, 16, 22, 28, 34 -----

3. Adding an odd number and an even number gives an ____ number. Try $39 + 34$. -----

13. Rule: subtract 9. Complete: In 13 → Out ____ -----

4. Fill in the blank: 5, 12, 19, ____, 33 -----

14. Rule: add 10. Complete: In ____ → Out 19 -----

5. Even numbers end in 0, 2, 4, 6, or _____. Example list: 44, 46, 48, 50. -----

15. Rows: 1, 3, ____, 7. What number is missing? -----

6. Rule: subtract 10. Complete: In 12 → Out ____ -----

16. Look at 72, 74, 76, 78. Even numbers end in 0, 2, 4, 6, or _____. -----

7. Rule: subtract 7. Complete: In ____ → Out 3 -----

17. Stickers: 2, then 7, then 12. How many come next if the pattern continues? -----

8. Days: 24, 22, 20, 18. Describe the rule in one short phrase. -----

18. Pattern: 25, 34, 43, 52, _____. What comes next? -----

9. Fill in the blank: ____, 14, 17, 20, 23 -----

19. Pattern: 25, 33, 41, 49, _____. What comes next? -----

10. In → Out: $4 \rightarrow 10$, $7 \rightarrow 13$, $11 \rightarrow 17$, $12 \rightarrow 18$. What is the rule? -----

20. Rule: add 2. Complete: In 3 → Out ____ -----

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1. In → Out: 13→4, 14→5, 15→6, 16→7. What is the rule? _____

11. Pattern: 9, 17, 25, 33, _____. What comes next? _____

2. Pattern: 27, 28, 29, 30, _____. What comes next? _____

12. Pattern: 14, 22, 30, 38. What are the next two numbers? _____

3. Rule: subtract 4. Complete: In 9 → Out _____

13. Rule: add 1. Complete: In _____ → Out 6

4. Fill in the blank: 8, 10, 12, 14, _____

14. 42, 44, 47, 48 — the odd number in this list is _____.

5. Rule: add 1. Complete: In 5 → Out _____

15. Pattern: 26, 29, 32, 35. What are the next two numbers? _____

6. Rule: subtract 4. Complete: In _____ → Out 1

16. Pattern: 22, 25, 28, 31, _____. What comes next? _____

7. Adding two odd numbers gives an ____ number. Try 21 + 9. _____

17. Rule: subtract 7. Complete: In 10 → Out _____

8. Rule: add 9. Complete: In 7 → Out _____

18. What is the multiple of 10 just before 20? _____

9. What is the multiple of 10 just before 70? _____

19. Stairs: 8, 10, _____, 14. What number is missing? _____

10. Skip-count by 10: ..., 90, _____.

20. In → Out: 1→3, 2→6, 3→9, 7→21. What is the rule? _____

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| <p>1. Fill in the blank: 11, _____, 17, 20, 23 -----</p> <p>2. In $\rightarrow$ Out: $4 \rightarrow 5$, $6 \rightarrow 7$, $7 \rightarrow 8$. What is the rule? -----</p> <p>3. In $\rightarrow$ Out: $4 \rightarrow 20$, $7 \rightarrow 35$, $11 \rightarrow 55$. What is the rule? -----</p> <p>4. Look at 16, 18, 20, 22. Even numbers end in 0, 2, 4, 6, or _____. -----</p> <p>5. Stickers: 1, 3, 5, 7. Describe the rule in one short phrase. -----</p> <p>6. Rule: add 5. Complete: In _____ $\rightarrow$ Out 10 -----</p> <p>7. Look at 13, 15, 17, 19. Are these all even or all odd? Write even or odd. -----</p> <p>8. In $\rightarrow$ Out: $1 \rightarrow 6$, $3 \rightarrow 8$, $7 \rightarrow 12$. What is the rule? -----</p> <p>9. Pattern: 41, 50, 59, 68, _____. What comes next? -----</p> <p>10. Rule: subtract 9. Complete: In _____ $\rightarrow$ Out 1 -----</p> | <p>11. Before 20, the multiple of 10 is _____. -----</p> <p>12. Rule: add 1. Complete: In _____ $\rightarrow$ Out 2 -----</p> <p>13. What is the multiple of 10 just before 50? -----</p> <p>14. In $\rightarrow$ Out: $6 \rightarrow 9$, $8 \rightarrow 11$, $9 \rightarrow 12$, $11 \rightarrow 14$. What is the rule? -----</p> <p>15. Adding 51 (odd) and 26 (even) gives an ____ number. -----</p> <p>16. Pattern: 29, 37, 45, 53. What are the next two numbers? -----</p> <p>17. Rule: add 1. Complete: In 3 $\rightarrow$ Out _____ -----</p> <p>18. In $\rightarrow$ Out: $2 \rightarrow 8$, $3 \rightarrow 12$, $6 \rightarrow 24$. What is the rule? -----</p> <p>19. In $\rightarrow$ Out: $12 \rightarrow 3$, $13 \rightarrow 4$, $17 \rightarrow 8$, $20 \rightarrow 11$. What is the rule? -----</p> <p>20. In $\rightarrow$ Out: $8 \rightarrow 4$, $10 \rightarrow 6$, $16 \rightarrow 12$. What is the rule? -----</p> |
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Math Intervention Practice Pack — Answer Keys

Patterns — Patterns

Page 1:

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|------------------|-------------------------|
| 1. 12 | 2. multiply by 5 |
| 3. even | 4. 16 |
| 5. add 8 | 6. 0 or 5 |
| 7. 7 | 8. 16 |
| 9. 12 | 10. 33, 38 |
| 11. add 3 | 12. 8 |
| 13. 10 | 14. 25 |
| 15. add 7 | 16. 22 |
| 17. add 2 | 18. 10 |
| 19. add 3 | 20. 50, 60 |

Page 2:

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|-----------------------|----------------------|
| 1. subtract 9 | 2. 7 |
| 3. 35 | 4. 8 |
| 5. 54, 55 | 6. subtract 6 |
| 7. odd numbers | 8. 8 |
| 9. 4 | 10. 5 |
| 11. 37 | 12. add 3 |
| 13. 4 | 14. 4 |
| 15. 14 | 16. 56 |
| 17. 14 | 18. 18 |
| 19. 8 | 20. 12 |