

Name: _____ Date: _____ Score: _____ /20

Rule: $\times 3$ then $+2$

In	Out
1. 5	17
8	-----
12	38

Find the rule.

2. In: 22, 44, 88
Out: 2, 4, 8
Rule: _____

Find the rule.

3. In: 63, 72, 90
Out: 7, 8, 10
Rule: _____

4. Fill: 3 , ----- , 48 , 192 , 768

Rule: $\times 5$ then -5

In	Out
5. 5	20
6	25
8	-----

6. Fill: 19 , 43 , ----- , 91 , 115

7. Fill: 18 , 35 , 52 , 69 , -----

8. Fill: 3 , 15 , 75 , ----- , 1875

9. Fill: 8 , ----- , 200 , 1000 , 5000

10. Fill: 105 , 87 , ----- , 51 , 33

Rule: $\times 2$ then -1

In	Out
11. 4	7
7	-----
9	17

Rule: $\div 12$

In	Out
12. 60	5
84	7
120	-----

Rule: $\times 4$ then $+1$

In	Out
13. 4	17
5	21
9	-----

Find the rule.

14. In: 2, 4, 15
Out: 17, 19, 30
Rule: _____

Rule: $\times 3$ then $+5$

In	Out
15. 4	17
5	20
8	-----

Find the rule.

16. In: 28, 77, 84
Out: 4, 11, 12
Rule: _____

Find the rule.

17. In: 10, 25, 35
Out: 2, 5, 7
Rule: _____

Rule: $\div 5$

In	Out
18. 40	8
45	9
55	-----

Rule: $\div 12$

In	Out
19. 60	-----
72	6
108	9

20. Fill: ----- , 64 , 45 , 26 , 7

Name: _____ Date: _____ Score: _____/20

Rule: $\times 3$ then $+2$

In	Out
1. 2	8
4	-----
8	26

2. Fill: 115 , 101 , 87 , 73 , -----

3. Fill: ----- , 81 , 56 , 31 , 6

4. Fill: 5 , 10 , 20 , ----- , 80

Fill:

5. 39 , 59 , 79 , 99 , ----- ,

6. Fill: 7 , 21 , 63 , -----

Find the rule.

In: 21, 29, 33, 34

7. Out: 42, 50, 54, 55

Rule: _____

Rule: $\times 4$ then -5

In	Out
8. 7	23
8	-----
13	47

9. Fill: ----- , 10 , 50 , 250

10. Fill: 73 , 60 , 47 , 34 , -----

Rule: $\times 3$ then -4

In	Out
11. 4	-----
8	20
9	23

Find the rule.

In: 1, 16, 17, 18

12. Out: 16, 31, 32, 33

Rule: _____

13. Fill: 110 , ----- , 60 , 35 , 10

14. Fill: ----- , 6 , 12 , 24 , 48

15. Fill: 23 , 36 , 49 , ----- , 75

16. Fill: 8 , ----- , 128 , 512 , 2048

17. Fill: 3 , ----- , 27 , 81

Find the rule.

In: 14, 21, 42, 56

18. Out: 2, 3, 6, 8

Rule: _____

Rule: $\times 4$ then $+4$

In	Out
19. 5	-----
9	40
13	56

20. Fill: 95 , 75 , 55 , 35 , -----

Name: _____ Date: _____ Score: _____/20

1. Fill: 3 , ----- , 75 , 375

Rule: $\times 5$ then -4

In	Out
8	36
12	56
13	-----

- Find the rule.
In: 4, 14, 16
3. Out: 2, 7, 8
Rule: _____

Rule: $\times 5$ then -4

In	Out
9	-----
11	51
14	66

- Find the rule.
In: 5, 6, 7
5. Out: 16, 19, 22
Rule: _____

- Find the rule.
In: 18, 27, 29
6. Out: 34, 43, 45
Rule: _____

7. Fill: 4 , 16 , 64 , 256 , -----

Rule: $\div 8$

In	Out
40	5
56	7
80	-----

9. Fill: 2 , 8 , 32 , ----- , 512

Rule: $\times 3$ then -2

In	Out
3	-----
7	19
9	25

Find the rule.

- In: 29, 32, 34
11. Out: 42, 45, 47
Rule: _____

12. Fill: ----- , 53 , 41 , 29 , 17

Find the rule.

- In: 18, 20, 21, 39
13. Out: 37, 39, 40, 58
Rule: _____

Rule: $\times 2$ then $+1$

In	Out
10	-----
11	23
12	25

15. Fill: 96 , 78 , 60 , 42 , -----

Fill:

16. 83 , 67 , 51 , 35 , ----- ,

Find the rule.

- In: 6, 7, 8
17. Out: 13, 15, 17
Rule: _____

Rule: $\times 4$ then $+4$

In	Out
6	28
12	52
14	-----

Find the rule.

- In: 2, 5, 13
19. Out: 19, 22, 30
Rule: _____

20. Fill: 4 , 8 , 16 , 32 , -----

1. Fill: 109 , 92 , 75 , 58 , -----

Find the rule.
In: 6, 10, 12, 14
2. Out: 3, 5, 6, 7
Rule: _____

3. Fill: 3 , 12 , ----- , 192 , 768

4. Fill: ----- , 15 , 75 , 375 , 1875

Find the rule.
In: 5, 6, 9, 10
5. Out: 22, 26, 38, 42
Rule: _____

6. Fill: ----- , 76 , 65 , 54 , 43

7. Fill: 101 , 81 , 61 , 41 , -----

Rule: $\div 9$

In	Out
8. 45	5
72	8
81	-----

Find the rule.
In: 4, 8, 9
9. Out: 22, 42, 47
Rule: _____

10. Fill: 103 , 123 , 143 , 163 , -----

Fill:

11. 72 , 58 , 44 , 30 , ----- ,

12. Fill: 92 , ----- , 62 , 47 , 32

13. Fill: 17 , ----- , 45 , 59 , 73

14. Fill: 81 , 63 , ----- , 27 , 9

15. Fill: 112 , 94 , 76 , 58 , -----

Find the rule.
In: 6, 18, 21, 24
16. Out: 2, 6, 7, 8
Rule: _____

17. Fill: 4 , 8 , ----- , 32 , 64

Fill:

18. 70 , 57 , 44 , 31 , ----- ,

19. Fill: ----- , 78 , 64 , 50 , 36

20. Fill: 23 , ----- , 59 , 77 , 95

Math Intervention Practice Pack — Answer Keys

Patterns — Patterns

Page 1:

- | | |
|--------------------------------|--------------------------------|
| 1. 26 | 2. $\div 11$ |
| 3. $\div 9$ | 4. 12 |
| 5. 35 | 6. 67 |
| 7. 86 | 8. 375 |
| 9. 40 | 10. 69 |
| 11. 13 | 12. 10 |
| 13. 37 | 14. +15 |
| 15. 29 | 16. $\div 7$ |
| 17. $\div 5$ | 18. 11 |
| 19. 5 | 20. 83 |

Page 2:

- | | |
|--------------------------------------|--------------------------------|
| 1. 12 | 2. 19 |
| 3. 74, 87 | 4. 51 |
| 5. $\div 6$ | 6. 6 |
| 7. 102, 119 | 8. 13 |
| 9. 375 | 10. +18 |
| 11. 15 | 12. 750 |
| 13. 320 | 14. 5 |
| 15. $\times 5 + 2$ | 16. $\div 7$ |
| 17. 108 | 18. 160 |
| 19. 50 | 20. 6 |