



Name: _____

Date: _____

1. Rule: add 5, starting at 4. The sequence is 4, 9, 14, 19, ____

2. What is the next term? 4, 11, 18, 25, ...

31

39

33

32

3. What is the rule for this sequence? 4, 9, 14, 19, ...

add 4

add 5

multiply by 5

add 6

4. Pattern A: add 5 from 0. Pattern B: add 10 from 0. When A = 5, what is B?

5. Pattern A (add 4 from 0) and Pattern B (add 2 from 0). Using Pattern A for the x-coordinate and Pattern B for the y-coordinate, what ordered pair does term #2 form?

(8, 4)

(8, 6)

(4, 8)

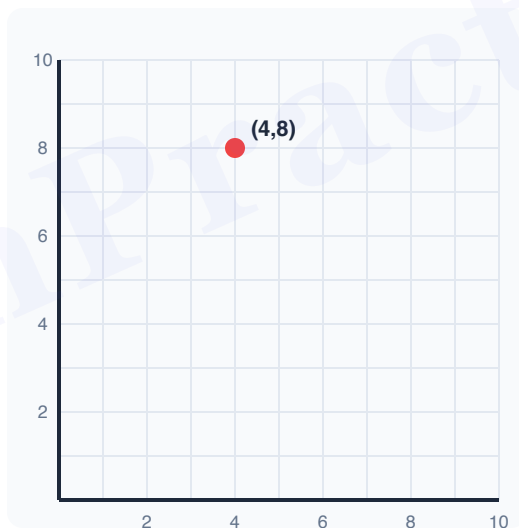
(12, 4)



6. Rule: multiply by 3, starting at 3. Sequence: 3, 9, 27, ____

7. Fill the missing term: 3, 7, ____, 15

8. Pattern A adds 1, Pattern B adds 2 (both from 0). Plot A on the x-axis and B on the y-axis. At term #4, what are the point's coordinates?



(4, 8)

(5, 8)

(4, 10)

(8, 4)

9. Rule: add 4, starting at 0. The sequence is 0, 4, 8, 12, ____



10. What is the next term? 5, 9, 13, 17, ...

25

20

21

22

11. What is the rule for this sequence? 2, 8, 14, 20, ...

add 6

multiply by 6

add 5

add 7

12. Pattern A: add 4 from 0. Pattern B: add 8 from 0. When A = 16, what is B?

13. Pattern A (add 1 from 0) and Pattern B (add 6 from 0). Using Pattern A for the x-coordinate and Pattern B for the y-coordinate, what ordered pair does term #4 form?

(4, 24)

(24, 4)

(5, 24)

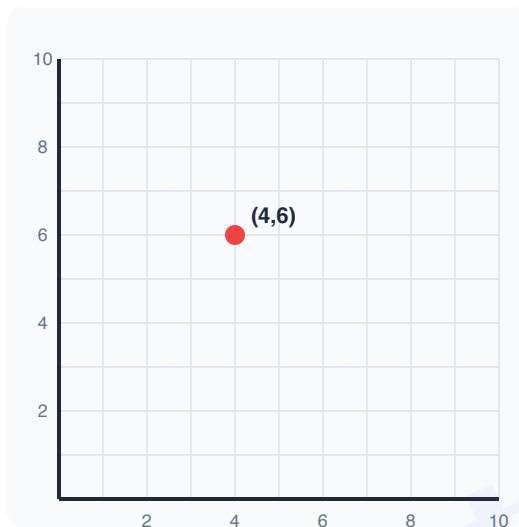
(4, 30)

14. Rule: multiply by 3, starting at 1. Sequence: 1, 3, 9, ____

15. Fill the missing term: 6, 9, ____, 15



16. Pattern A adds 2, Pattern B adds 3 (both from 0). Plot A on the x-axis and B on the y-axis. At term #2, what are the point's coordinates?



(4, 6)

(6, 4)

(4, 9)

(6, 6)

17. Rule: add 4, starting at 5. The sequence is 5, 9, 13, 17, ____

18. What is the next term? 4, 6, 8, 10, ...

11

12

14

13



Answer Key

1. **24** Add 5 to 19: $19 + 5 = 24$.
2. **32** Each term adds 7, so next is $25 + 7 = 32$.
3. **add 5** Each term increases by 5, so the rule is "add 5".
4. **10** B grows twice as fast, so $B = 2 \times A$: $2 \times 5 = 10$.
5. **(8, 4)** Term #2: $A = 8$ (x), $B = 4$ (y), so (8, 4).
6. **81** $27 \times 3 = 81$.
7. **11** The rule is add 4, so the missing term is 11.
8. **(4, 8)** $A = 4$ (x-axis), $B = 8$ (y-axis), so (4, 8).
9. **16** Add 4 to 12: $12 + 4 = 16$.
10. **21** Each term adds 4, so next is $17 + 4 = 21$.
11. **add 6** Each term increases by 6, so the rule is "add 6".
12. **32** B grows twice as fast, so $B = 2 \times A$: $2 \times 16 = 32$.
13. **(4, 24)** Term #4: $A = 4$ (x), $B = 24$ (y), so (4, 24).
14. **27** $9 \times 3 = 27$.
15. **12** The rule is add 3, so the missing term is 12.
16. **(4, 6)** $A = 4$ (x-axis), $B = 6$ (y-axis), so (4, 6).
17. **21** Add 4 to 17: $17 + 4 = 21$.
18. **12** Each term adds 2, so next is $10 + 2 = 12$.