1. Which number is missing in this pattern?
   41, 45, 49, ___, 57, 61, 65

   a) 53
   b) I don't know
   c) 59
   d) 50

2. Which number is missing in this pattern?
   62, 68, 76, 82, 90, 96 ___, 110

   a) 102
   b) 104
   c) 106
   d) I don't know

3. Complete the function

Input	Function	Output
71	? →	99

   a) Subtract 22
   b) Add 28
   c) Divide by 8
   d) I don't know

4. The terms in the number sequence 3, 6, 12, 24 ...are generated by:

   a) subtracting 3
   b) multiplying by 2
   c) multiplying by 3
   d) adding 3

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5. The next two terms in the sequence 19, 28, 37, 46 , ... are

a) 55 and 65

b) 57 and 66

c) 54 and 63

d) 59 and 68

6. How would you describe this pattern's rule?
65, 62, 59, 56, 53, 50

a) Subtract 2

b) Add 3

c) Subtract 4

d) Subtract 3

7. What is the pattern rule for this pattern?
2, 4, 8, 16, 32,

a) Start at 2. Add 2 more each time.

b) Start at 2. Add 16 each time.

c) Start at 2. Add 2 each time.

d) Start at 2. Double the number each time.

8. Which pattern follows the rule below? Rule: Start with 2 and add 4 each time until there are 5 numbers

a) . 2, 6, 10, 14, 18

b) 2, 6, 10, 14, 17

c) 2, 4, 8, 12, 16

d) 2, 6, 11, 15, 19

9. What number is missing in this pattern?
327, 333, 339, ____, 351, 357

a) 345

b) 344

c) 340

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10. Start at 10, multiply by 5.

a) 10, 50, 500, 5,000,...

b) 10, 50, 250, 1,250,...

c) 10, 25, 50, 75,...

d) 5, 10, 15, 20, 25,...

11. 1, 2, 5, 1, 2, 5, __
What number comes next?

a) 2

b) 5

c) 1

12. Find the missing numbers.
520, ____, 560, 580, ____

a) 510, 590

b) 540, 600

c) 525, 590

d) 540, 590

13. What comes next in this pattern
47, 49, 51, ____, 55, 57

a) 53

b) 52

c) 50

d) 54

14. 9, 18, 27, 36, 45, ____

a) 54

b) 76

c) 63

d) 81

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15. 6, 9, 12, 15, 18, 21
What is the rule?

a) x 4
b) x 5
c) x 6
d) + 3

16. Mrs. Hunt wrote the following number pattern: 37, 30, 23, 16,
What number would come next if the pattern continued?

a) 5
b) 10
c) 9
d) 15

17. How would you describe this pattern's rule?
99, 97, 95, 93, 91

a) Add 2
b) Subtract 1
c) Subtract 2
d) Add 3

18. How would you describe this pattern's rule?
23, 29, 35, 41

a) Add 4
b) Subtract 5
c) Subtract 6
d) Add 6

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