

**Example 1** Find the missing number.  
Explain the addition pattern.

5, 18, 31, 44, 57,

**Step 1** Determine the pattern between the given numbers.

5, 18, 31, 44, 57,   
 $+13 +13 +13 +13$

**Step 2** Apply the pattern to find the next number

5, 18, 31, 44, 57, **70**  
 $+13$

**Answer:** Add 13; 70

**Example 2** Find the missing number.  
Explain the addition pattern.

10, , 20, 25, 30, 35

**Step 1** Determine the pattern between the given numbers.

10, , 20, 25, 30, 35  
 $+5 +5 +5$

**Step 2** Apply the pattern to find the missing number.

10, **15**, 20, 25, 30, 35  
 $+5 +5$

**Answer:** Add 5; 15

**Set A** Describe the addition pattern. Find the missing number.

1. 3, 6, 9, , 15

2. 20, 30, 40, 50,

3. 45, 54, 63, 72,

4. , 21, 28, 35, 42, 49

5. 88, 96, 104,

6. 16, 32, , 64, 80, 96

7. 73, 93, 113,

8. 24, , 40, 48, 56

9. **Solve.** At the soccer game, the students had to sit in seats following the pattern #22, #28, #34, #40. Angelo had to sit in the next seat. What number was it?

10. **Solve.** Jaime had \$86 in his piggy bank. He gave half of it to his brother. How much money did Jaime have left?





**Example 2** Describe the addition pattern. Find the missing number. 25, 32, 39, 46,

First find the addition pattern.



**Answer:** Add 7; 53

**Set B** Describe the addition pattern. Find the missing number.

1. 10, 18, 26, 34, 42,
2. 47, 57, 67, 77,
3. 129, 138, , 156
4. 22, , 32, 37, 42
5. , 20, 22, 24, 26
6. 99, 105, , 117, 123
7. 79, 87, 95, 103,
8. 32, 36, 40, 44,
9. **Solve.** Mr. Markham has players weigh in before the game. Leonard weighs 185 pounds, Omar weighs 156 pounds, Jamal weighs 162 pounds, and Bill weighs 195 pounds. How much do they weigh together?
10. **Solve.** Sheena had \$60 to buy prizes for the guests at her birthday party. The yo-yo cost \$3, the glitter paint cost \$12, the box of candy cost \$21, and the movie cost \$15. How much money did Sheena have left?

**Set C** Describe the addition pattern. Find the missing number.

1. 15, 20, 25, 30,
2. 99, 110, , 132, 143
3. , 64, 72, 80, 88
4. 268, 272, 276, 280,
5. 14, , 20, 23, 26
6. 129, 152, , 198
7. 18, 21, 24, 27,
8. 91, 97, 103, 109,
9. **Solve.** Andrew is trying to find some candy that his sister has hidden. Her map said to take 6 steps forward, then 15 steps right, then 24 steps forward, then 33 steps right. How many total steps should Andrew take to find the candy?
10. **Solve.** Heather picked 27 yellow flowers and 15 blue flowers. How many more yellow flowers than blue flowers does Heather have?

**Set B**

1. add 8; 50

2. add 10; 87

3. add 9; 147

4. add 5; 27

5. add 2; 18

6. add 6; 111

7. add 8; 111

8. add 4; 48

9. 698 pounds

10. \$9

**Set C**

1. add 5; 35

2. add 11; 121

3. add 8; 56

4. add 4; 284

5. add 3; 17

6. add 23; 175

7. add 3; 30

8. add 6; 115

9. 78 steps

10. 12 more yellow flowers

## Set A



1. add 3; 12

2. add 10; 60

3. add 9; 81

4. add 7; 14

5. add 8; 112

6. add 16; 48

7. add 20; 133

8. add 8; 32

9. seat 46

10. \$43