Learning Target: Describe, extend, and complete number patterns.



Describe the number pattern. Tell how you can find the missing numbers. Write the missing numbers.

Create your own number pattern. Have your partner extend the pattern.



Think and Grow

This pattern starts at 15. Each number is 5 more.

15, 20, 25, 30, <u>35</u>, <u>40</u>, <u>45</u>



90, 80, 70, 60, <u>50</u>, <u>40</u>, <u>30</u>



This pattern starts at 90. Each number is 10 less.

Show and Grow

Extend the pattern. Write the missing numbers.

- **2.** 31, 41, 51, 61, _____, ____
- **3.** 90, 89, 88, 87, _____, ____
- **4.** 10, 25, 40, 55, _____, ____
- **5.** 120, 100, 80, 60, _____, ____



Apply and Grow: Practice

Extend the pattern. Write the missing numbers.

- **6.** II, I3, I5, I7, _____, ____
- **7.** 75, 80, 85, 90, _____, ____, ____
- **8.** 54, 64, 74, 84, _____, ____
- **9.** 110, 100, 90, 80, _____, ____

Complete the pattern. Write the missing numbers.

- **10.** 27, 37, _____, 57, _____, 87
- 11. 98, _____, 102, 104, _____, 108, _____
- 12. Structure Start a pattern with a number between 25 and 35. Then add 3 to each number to write the next 6 numbers.



Think and Grow: Modeling Real Life

The tables show when trains arrive at 2 stations. The times at each station show a pattern.
Complete each pattern.

At which station is a train arriving in 60 minutes?

Station A

Station B

Station A
12 minutes
24 minutes
minutes
minutes
minutes

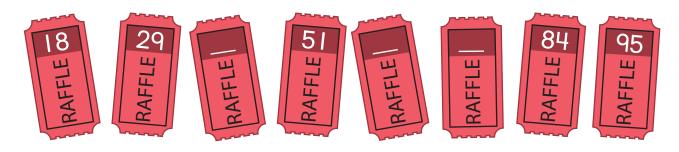
72 minutes

84 minutes

Station B
14 minutes
28 minutes
42 minutes
minutes
minutes
minutes
98 minutes

Show and Grow

13. The numbers on the raffle tickets show a pattern.
Complete the pattern to find the missing ticket numbers.



Missing ticket numbers: _____, ____, ____

Is 62 one of the ticket numbers?

Yes

No

Learning Target: Describe, extend, and complete number patterns.



56, 58, 60, 62, <u>64</u>, <u>66</u>, <u>68</u>

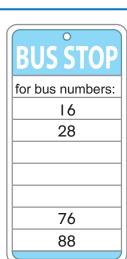
Extend the pattern. Write the missing numbers.

- **1.** 25, 30, 35, 40, _____, ____
- **2.** 32, 42, 52, 62, _____, ____
- **3.** 74, 73, 72, 71, _____, ____
- **4.** 15, 30, 45, 60, _____, _____
- **5.** 80, 70, 60, 50, _____, ____, ____
- **6.** 96, 100, 104, 108, _____, ____, ____



- **7.** 21, 23, _____, 27, _____, 31, ____
- **8.** 99, _____, 79, _____, 59, 49, _____
- 9. Structure Start a pattern with a number between 10 and 20. Then add 8 to each number to write the next 6 numbers.

10. Modeling Real Life The bus numbers show a pattern. Some of the numbers are missing. Complete the pattern.



Does Bus 64 stop here? Yes No

11.
$$3 + 3 =$$

12.
$$5 + 5 =$$