

Name _____

Date _____

Counting Patterns - Guided Lesson Explanation

Explanation#1

Step 1) We look at the differences between all the given numbers.

6, 12, 18

$$12 - 6 = 6 \quad \text{and} \quad 18 - 12 = 6$$

Step 2) The number patterns requires students to count by 6s.

$$18 + 6 = 24 \qquad 24 + 6 = 30$$

Answer is: 24, 30.

Explanation#2

Step 1) We look at the differences between all the given numbers.

$$6 - 3 = 3 \quad 15 - 12 = 3$$

Step 2) The number patterns require students to count by 3s.

Answer is: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30

Explanation#3

Step 1) With this we look for a constant number that would increase the value since we are counting up. Start with the first sequence and see if it works for the others.

4, , 12 We can try many values and we find that counting by 4s fits this pattern.

4, 8, 12.

Step 3) Let's see if counting by additional 4s will help solve this.

Answer is: 4, 8, 12, 16, 20, 24, 28, 32, 36

