



The Modern American International School

Math Department

Academic Year 2025-2026

Subject: Math

Name : _____ Class : _____ Date: _____

A CLOUDY DAY

A cloudy day at the park is a perfect time to answer this activity! Examine the following set of numbers. Write a rule that they follow on the space provided.



1. 38, 40, 42, 44, 46, 48, 50, ...

Rule: _____

2. 5, 10, 15, 20, 25, 30, ...

Rule: _____



3. 14, 28, 42, 56, 70, 84, ...

Rule: _____

4. 15, 30, 45, 60, 75, 90, ...

Rule: _____

5. 11, 22, 33, 44, 55, 66, ...

Rule: _____



Number and Shape Patterns



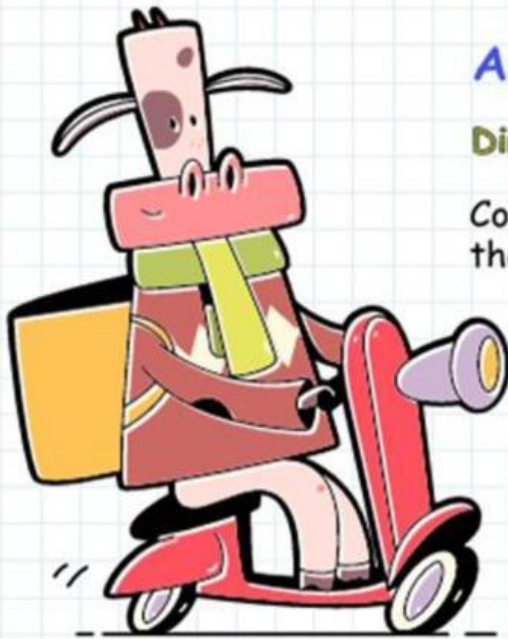
How well did you understand the lesson?





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Number Patterns



Answer

Directions:

Complete the sequence. Identify and write the rule for each pattern sequence.

63 62 61 60 59

Next number: _____

Rule: _____

26 30 34 38 42

Next number: _____

Rule: _____

77 72 67 62 57

Next number: _____

Rule: _____

49 46 43 40 37

Next number: _____

Rule: _____

15 17 19 21 23

Next number: _____

Rule: _____



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Instructions: Make a number pattern for each of the rules.

Start at 22 and add 1 each time. _____, _____, _____, _____, _____

Start at 60 and subtract 6 each time. _____, _____, _____, _____, _____

Start at 25 and add 8 each time. _____, _____, _____, _____, _____

Start at 63 and subtract 4 each time. _____, _____, _____, _____, _____

Start at 12 and add 8 each time. _____, _____, _____, _____, _____

Start at 13 and add 5 each time. _____, _____, _____, _____, _____

Start at 4 and add 1 each time. _____, _____, _____, _____, _____

Start at 67 and subtract 7 each time. _____, _____, _____, _____, _____

Start at 57 and subtract 4 each time. _____, _____, _____, _____, _____

Start at 56 and subtract 7 each time. _____, _____, _____, _____, _____

Start at 66 and subtract 3 each time. _____, _____, _____, _____, _____

Start at 15 and add 4 each time. _____, _____, _____, _____, _____

Start at 8 and add 3 each time. _____, _____, _____, _____, _____

Start at 64 and subtract 6 each time. _____, _____, _____, _____, _____

Start at 6 and add 7 each time. _____, _____, _____, _____, _____

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Very Well Well Not Well



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Identifying Number Patterns

1.

The number pattern is: times 6.

Which number is next? 3, 18, 108

 ?

A. 736 B. 512 C. 657 D. 648

2.

The number pattern is: times 7.

Which number is next? 3, 21, 147

 ?

A. 1,029 B. 800 C. 850 D. 979

3.

The number pattern is: times 8.

Which number is next? 3, 24, 192

 ?

A. 1,358 B. 870 C. 1,536 D. 1,480

4.

The number pattern is: times 9.

Which number is next? 3, 27, 243

 ?

A. 2,187 B. 2,258 C. 3,125 D. 2,287

5.

The number pattern is: times 4.

Which number is next? 3, 12, 48

 ?

A. 198 B. 192 C. 243 D. 159

How well did you understand the lesson?



