

Name _____

Date _____

Chirping Adding and Multiplying Patterns

Directions: Solve the following adding and multiplying pattern problems.



Rule: Multiply by 4
then add 2

1.

What is the next number in the pattern?

2, 10, 42, 170, _____



Rule: Multiply by 3
then subtract 2

2.

What is the next number in the pattern?

3, 7, 25, 73, _____



Rule: Add 12 then
subtract 4

3.

What is the next number in the pattern?

146, 154, 162, 170, _____



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4.

Rule: Multiply by 5
then subtract 6

What is the next number in the pattern?

2, 4, 14, 64, _____



5.

Rule: Add 12 then
subtract 4

What is the next number in the pattern?

44, 70, 96, 122, _____



6.

Rule: Multiply by 7
then add 16

What is the next number in the pattern?

1, 23, 177, _____



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Chirping Adding and Multiplying Patterns

Answer Key

Directions: Solve the following adding and multiplying pattern problems.



Rule: Multiply by 4
then add 2

1.

What is the next number in the pattern?

2, 10, 42, 170, **682**



Rule: Multiply by 3
then subtract 2

2.

What is the next number in the pattern?

3, 7, 25, 73, **217**



Rule: Add 12 then
subtract 4

3.

What is the next number in the pattern?

146, 154, 162, 170, **178**



Name _____

Date _____



4.

Rule: Multiply by 5
then subtract 6

What is the next number in the pattern?

2, 4, 14, 64, **314**



5.

Rule: Add 12 then
subtract 4

What is the next number in the pattern?

44, 70, 96, 122, **148**



6.

Rule: Multiply by 7
then add 16

What is the next number in the pattern?

1, 23, 177, **1,255**

