1.1 Arithmetic Sequence

2, 4, 6, 8, 10, 12, 14, ...

2 2 2

Common Difference

3, 6, 9, 12, 15, 18, 21, 24, ...

3 3 3

Geometric Sequence

2, 4, 8, 16, 32, 64, 128, ...

2 4 8 16 32 64

2 4 8 16 32

2 4 8 16

2 4 8

2 4

2

Common Multiple

1, 4, 9, 16, 25, 36, 49, 64, 81, 100

First Difference: 3, 5, 7, 9, 11, 13, 15, 17, 19

Second Difference: 2, 2, 2, 2, 2, 2, 2, 2

Square

5^2 6^2

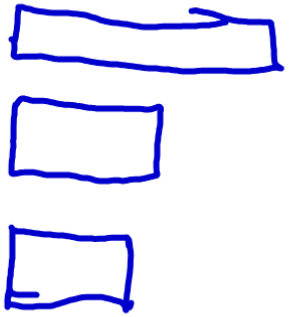
6

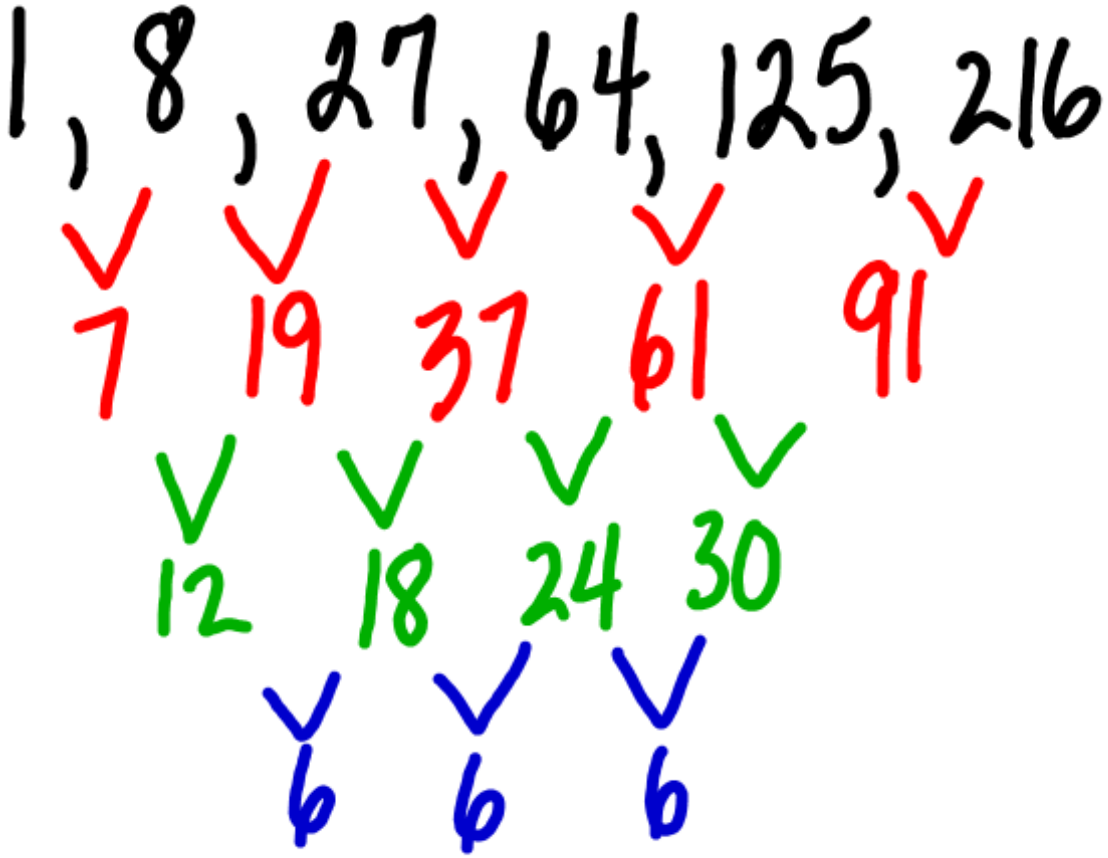
12

1 • 12

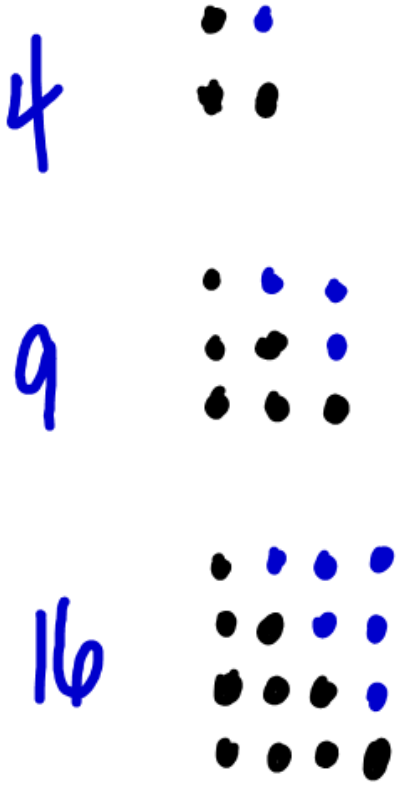
2 • 6

3 • 4





16
4
64



1

4

9

16

1

3

6

10

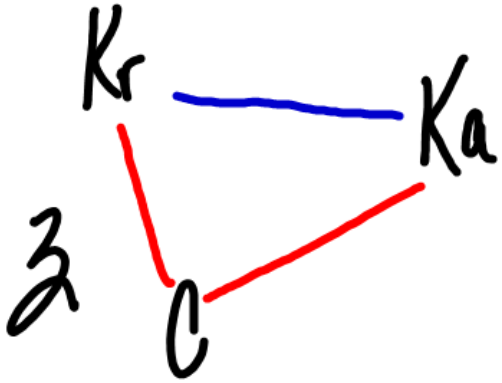
15

21

1, 3, 6

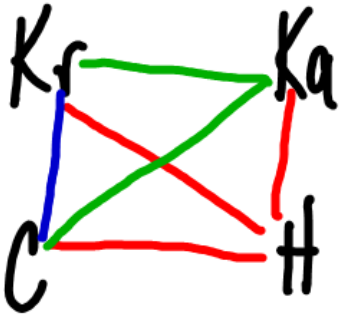
1, 3, 6, 10, 15, 21, 28

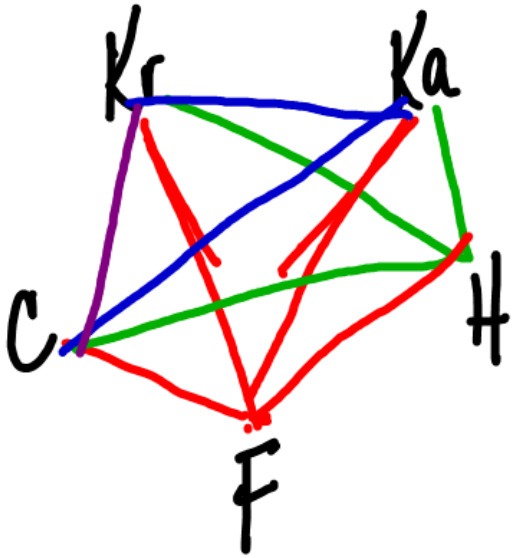
Triangular Number



3

6





10

Variables

x

Constant

Number

Coefficient

$4x$

Expression

4×5

$4 \cdot 5$

$x = 5$

$4(5)$

20

p 8 10-18 Even

p 16 10-20 Even

⑩ $4x$

$x=1$ $4(1)$
4

$x=2$ $4(2)$
8

$x=3$ $4(3)$
12