

1.1

1, 3, 5, 7, 9, 11, 13, ...

\checkmark
 2 2 2 2 2 2

First
Difference

Constant difference

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

\checkmark
 3 5 7 9 11 13 15 17
 \checkmark
 2 2 2 2 2 2 2

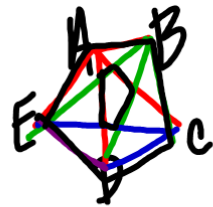
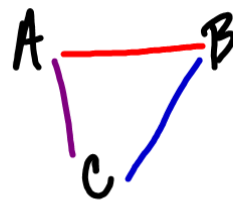
1st difference

2nd
difference

Constant difference

0	1	2	3	4
10	15	20	25	30

1 person	2	3	4	5
0 conversations	1	3	6	



AB BC CD DE EF
 AC BD CE DF
 AD BE CF
 AE BF
 AF

1.2

Variable : letter that represents
some unknown number

 x a $4y + 7$ $2m - 1$ $3x$

4 huskies running

run

 $2x + 2y$

3 photos cover

4 photos on each page

155 photos total

How many pages needed?

$$155 - 3$$

$$152$$

$$4 \overline{) 152}$$

$$\begin{array}{r} 38 \\ 4 \overline{) 152} \\ \underline{12} \\ 32 \\ \underline{32} \\ 0 \end{array}$$

38 pages

$$4(38) + 3 = 155$$

$$4x + 3 = 155$$

$$\frac{4x}{4} = \frac{152}{4}$$

$$x = 38$$

Pack of 12 pencils \$1.29
 What does each pencil cost?

$$\begin{array}{r} \textcircled{107} \\ 12 \overline{) 1.290} \\ \underline{.12} \\ 090 \end{array}$$

$$\begin{array}{r} ^1 12 \\ \times 6 \\ \hline 72 \end{array} \quad \begin{array}{r} ^1 12 \\ \textcircled{1} \\ \underline{84} \\ 12 \\ \underline{96} \end{array}$$

$$12x = 1.29$$

Bob has \$30. He gives \$15
 to Sam. 3 other people
 in room to divide \$
 equal amount

\$5

$$\frac{30 - 15}{3} = 5$$

$$3x + 15 = 30$$

Expressions

$$4x$$

$$x = 0, 1, 2, 3$$

Evaluate

$$4(0) = 0$$

$$4(1) = 4$$

$$4(2) = 8$$

$$4(3) = 12$$

x	$4x$
0	0
1	4
2	8
3	12

p 8 10-14 E

p 16 10-14 E
32, 34, 36