

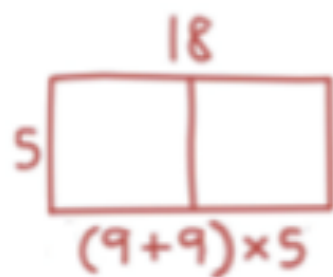
Nov 14, 2016



- Good Morning:
- Weekend Highlights
 - Clean Desk
 - Desk Change

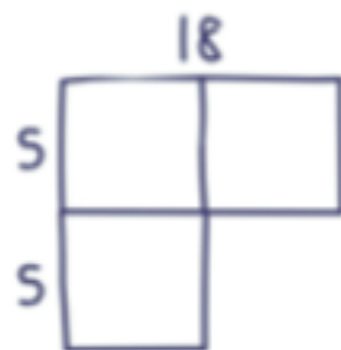
18 x 5

Neil



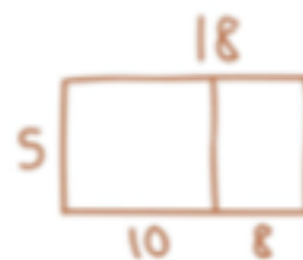
$$45 + 45 = 90$$

Ricardo



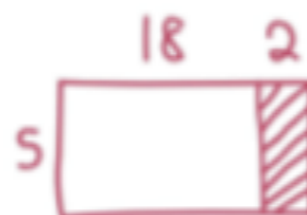
$$18 \times 5 = 9 \times 10$$

Sammi



$$(10 \times 5) + (8 \times 5) \\ 50 + 40 = 90$$

Jaime



$$20 \times 5 = 100 \\ 2 \times 5 = 10 \\ 100 - 10 = 90$$

Ariane



$$15 \times 5 = 75 \\ 3 \times 5 = 15 \\ 75 + 15 = 90$$

Bryan



$$(18 \times 2) + (18 \times 2) + 18 \\ 36 + 36 + 18 = 90$$

Number Talks

$$20 \times 4$$

$$19 \times 4$$

$$30 \times 3$$

$$29 \times 3$$

$$40 \times 6$$

$$39 \times 6$$

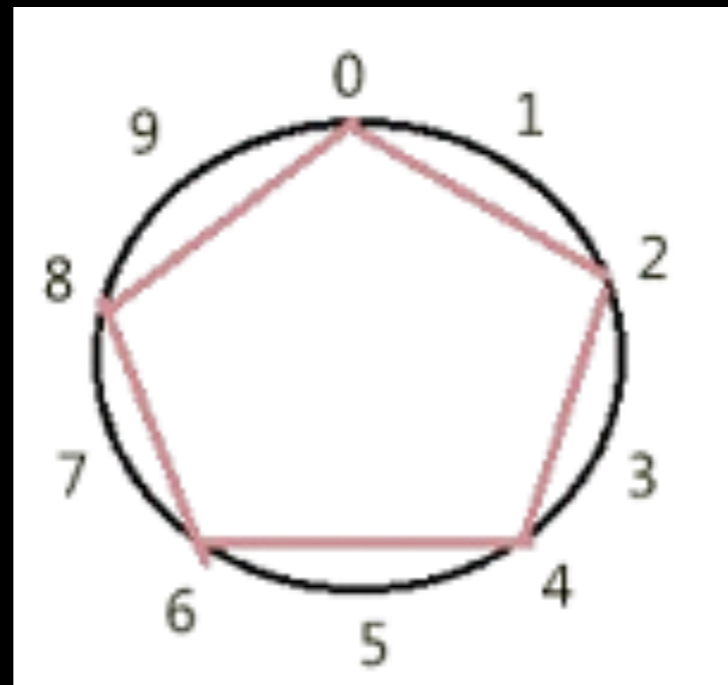
Circle Patterns:

Seeing Multiplication With New Eyes

2×1	2
2×2	4
2×3	6
2×4	8
2×5	10

Circle Patterns:

Seeing Multiplication With New Eyes



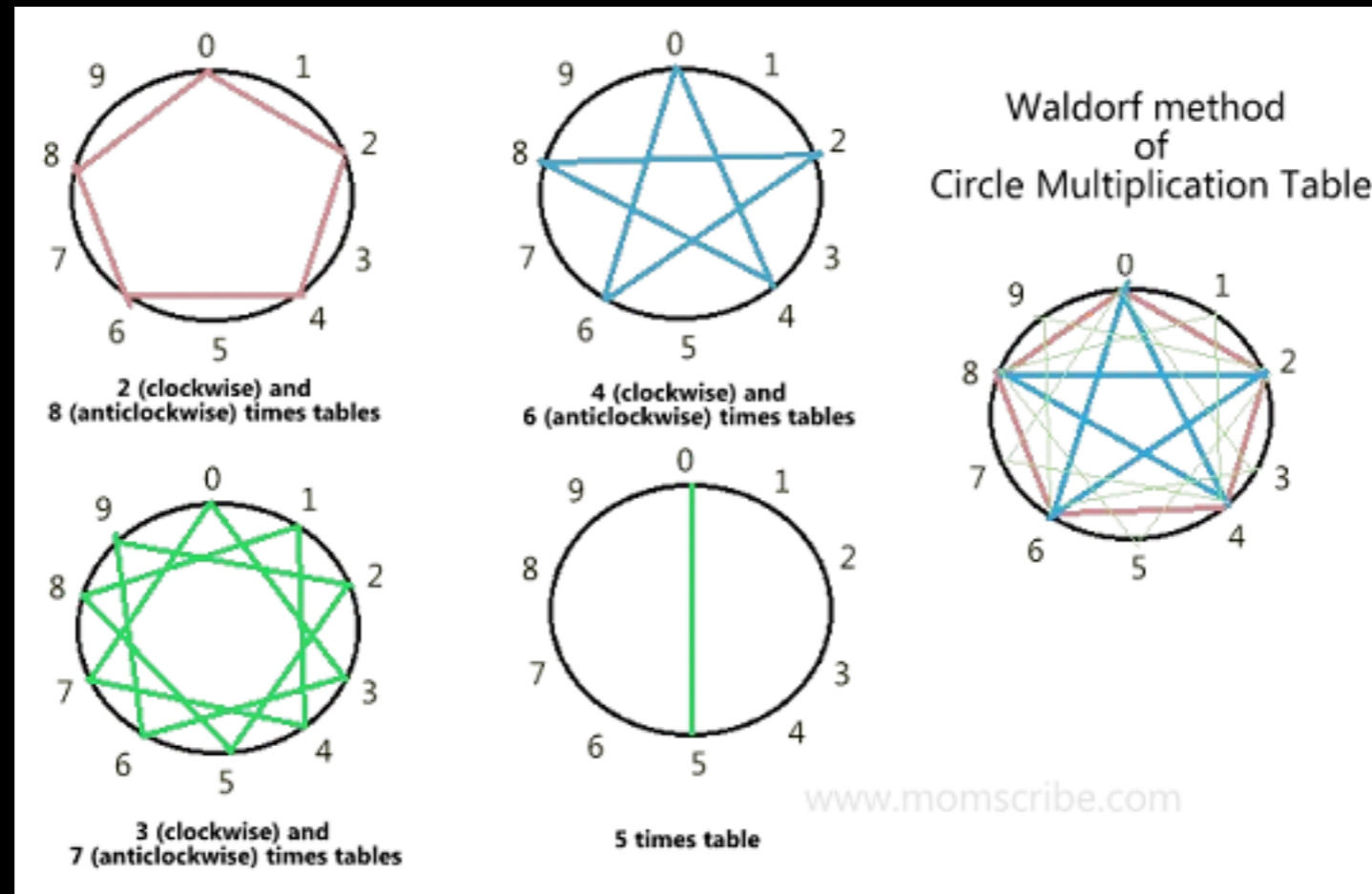
Circle Patterns:

Seeing Multiplication With New Eyes

What do you notice?

Share with a partner and compile a list.

Circle Patterns: Seeing Multiplication With New Eyes



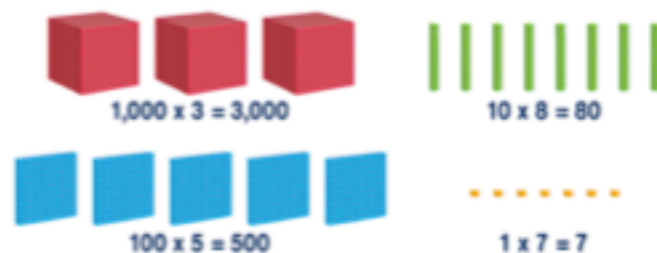
Million	Million	Million
2	10^9	Billion
3	10^{12}	Trillion
4	10^{15}	Quadrillion
5	10^{18}	Quintillion
6	10^{21}	Sextillion
7	10^{24}	Septillion
8	10^{27}	Octillion
9	10^{30}	Nonillion
10	10^{33}	<u>Decillion</u>
11	10^{36}	<u>Undecillion</u>
12	10^{39}	<u>Duodecillion</u>
13	10^{42}	<u>Tredecillion</u>

Place Value

Billions	Hundred Millions	Ten Millions	Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths
						3, 5	8	7				
Three thousand, five hundred eighty-seven												
				2	9	4, 7	1	0	.	6	2	5
Two hundred ninety-four thousand, seven hundred ten and six hundred twenty-five thousandths												
	7	1	8,	0	6	0,	4	9	5	.	3	
Seven hundred eighteen million, sixty thousand, four hundred ninety-five, and three tenths												

Model Form

The model form is a visual representation of a number using groups of blocks for each place value. Each block represents a different value depending on the number of cubes it has.



Expanded Form

The expanded form of this number can be written in two ways. Sample 1 is more commonly used, but both are correct.



Sample 1:
 $3,000 + 500 + 80 + 7$

Sample 2:
 $3,587 = (3 \times 1,000) + (5 \times 100) + (8 \times 10) + 7$

The place value is the value of a digit based on its position in a number.

Zero acts as a placeholder when there is no value in a column.

Numbers on the right of the decimal point represent a fraction of a whole number.

James Dempsey Interview

<http://www.avenuecalgary.com/City-Life/War-Heroes-Remembrance-Day/>





A **tug (tugboat)** is a boat or ship that maneuvers vessels by pushing or towing them.

A **barge** is a flat-bottomed boat, built mainly for river and canal transport of heavy goods.

Contamination

Dictionary

Definition of contamination

1. the act of contaminating or polluting; including (either intentionally or accidentally) unwanted substances or factors
2. the state of being contaminated
3. a substance that contaminates


Similar Words: pollution, taint, contaminant

Hyponyms: dust contamination

Derivational Morphology: pollute, foul, contaminate, infect, taint

Ecological

GAMES | THESAURUS | WORD OF THE DAY | VIDEO | WORDS A

 SINCE 1828 Dictionary ecology

ecology

noun | ecol·o·gy | \i-ˈkă-lə-jē, e-\

Simple Definition of ECOLOGY Popularity: Top 20% of words

: a science that deals with the relationships between groups of living things and their environments

: the relationships between a group of living things and their environment

Source: Merriam-Webster's Learner's Dictionary

Aground

Full Definition of AGROUND

- 1 : on the ground <planes aloft and *aground*>
- 2 : on or onto the shore or the bottom of a body of water <a ship run *aground*>

Read the Article:

- Underline the main idea
- circle any confusing/unclear words/phrases
- write down any thoughts you have

What do you need to find out to
better understand the article?

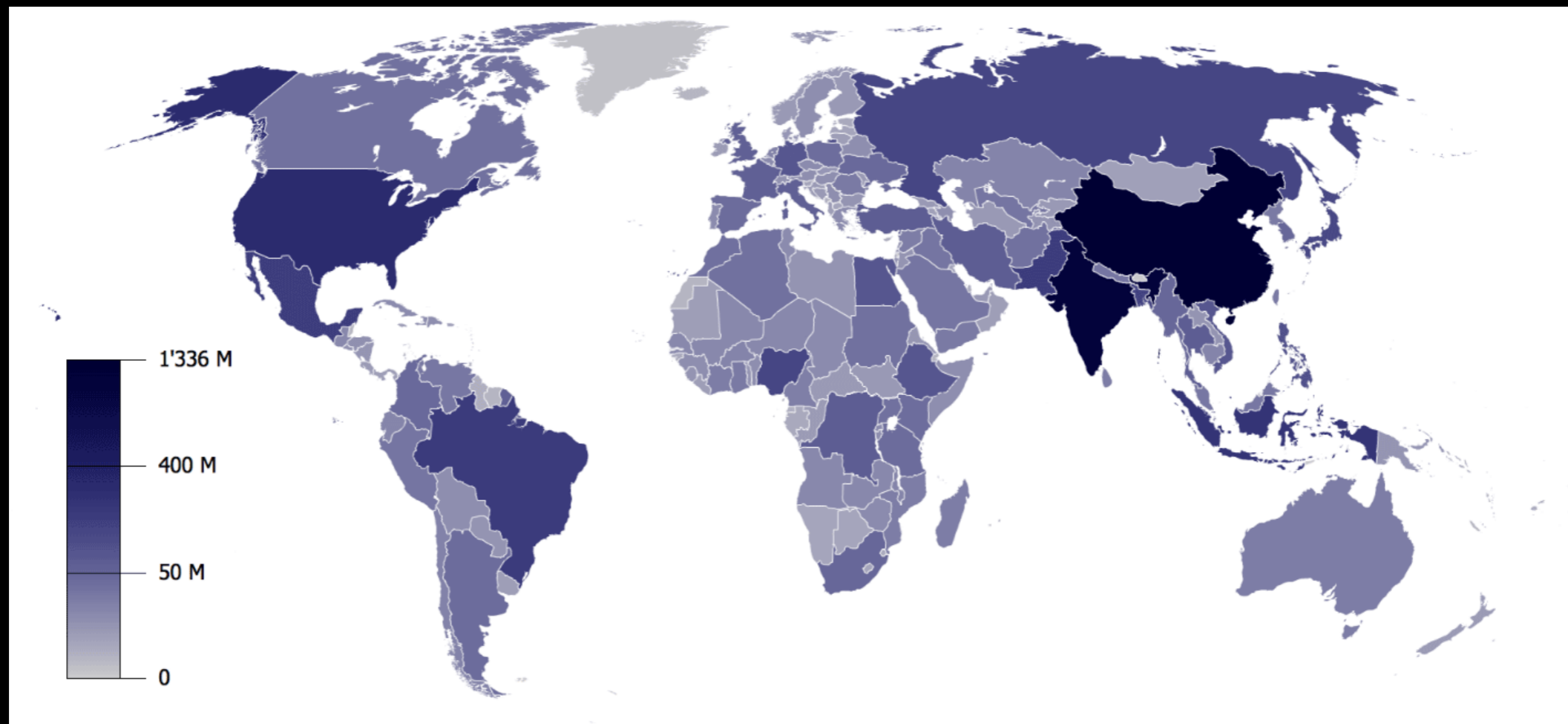




Task: Cartographers create maps to visually represent various locations around the world. Maps are also used to communicate different information about a location. Your task is to add to your map of Canada various populations of towns, cities and provinces that make up our country.





































Part 1:

- **Choose 10 different** populations (focus on cities/towns or provinces/territories)
- Create a table/chart with three columns.
 - Label the first column: CITY/TOWN or PROVINCE/TERRITORIES
 - Label the second column: POPULATION
 - Label the third column: POPULATION ROUNDED TO THE NEAREST THOUSAND
 - Fill in this information by sorting your populations from least to greatest by its total population.



LEGEND

Old Style Art - Black & White

		Capital		Clear, Farmland		Coastal Waters, Lake or River
		City		Hill		Sea
		Town		Mountain		Deep Sea
		Village		Forest		Ocean
		Palace		Grassland, Steppes, Savannah or Desert		
		Tower on Keep		Jungle or Oasis		National Border
		Castle		Swamp or Marsh		Regional Border
		Fort		Desert, Beach, Sand Dunes		Road
		Bridge		Broken or Barren Land		Trail or Path
		Cave		Volcano		Shipping Lane
		Lighthouse				River
						Plateau, Cliff or Peak



0 - 5 000



5 001 - 10 000



10 001 - 20 000



20 001 - 30 000



30 001 - 80 000



420 000

Rounding Mini-Lesson

Rounding to the nearest ten, hundred, thousand

4565

2 345 675

698 756

Diesel Oil Spill



Adequate

Latin root:
adaequatus
meaning
“equalized”

Equal to what is
required

There are an adequate number of chairs in our
classroom.

Inadequate

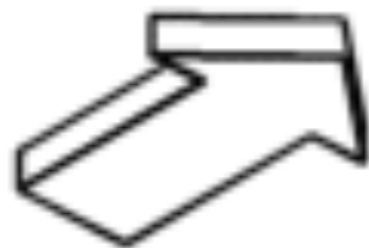
Latin root:
not, opposite of

-Not enough
-Insufficient for
a purpose

The Storm Trooper's ability to defeat the Jedi
was inadequate

Vocabulary Acquisition:

- Find the word in the article
- Discuss the word in your group
- Look up the word
- Create sentence using the word
- Describe the meaning of the word to classmates



SECRET

SECRET

SECRET

. . . Fairy

. . . Wolf

. . . Duckling

Mystery Mixture Challenge

Why should we care?

Barge sinks in B.C. waters where diesel-laden tug currently sits

The Heiltsuk Nation says the barge was carrying gravel and sand when it flipped and sank near the Nathan E. Stewart sinking site.



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