Big Idea: Students will be able to read, write & count numbers 0-12, identify ordinal numbers, and use a number line to count on & back.

Unit Essential Question

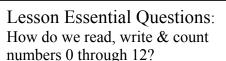
How do we read, write & count numbers from 0 through 12?



Skill: Reading ,writing & counting Numbers 0 through 12.

Skill: Identifying numbers that are one more, one fewer, before, after & between a given number.

Skill: Identifying ordinal numbers & ordinal number words 1^{st (first)} through 10^{th(tenth)}.



How do we use a number line to count on and back with numbers 0 through 12?

Lesson Essential Questions: How do we identify numbers that are one more, one fewer, before, after & between a given number? Lesson Essential Questions: How do we identify the ordinal number positions 1st through 10th?

How do we identify the ordinal number words first through tenth?







Vocabulary:				
Zero	eight			
One	nine			
Two	ten			
Three	eleven			
Four	twelve			
Five				
Six				
Seven				

Vocabulary:
Fewer greater than
More less than
Before
After
Between
Number line
Count on
Count back

Vocabulary:
Ordinal numbers
First eighth
Second ninth
Third tenth
Fourth eleventh
Fifth twelfth
Sixth

seventh

Big Idea: Students will be able to add numbers with sums to 12, write addition sentences, identify patterns & solve problems with sums to 12.

Unit Essential Question
How do we solve addition problems with sums to 12?



Skill: Understanding addition as a joining of groups. Writing addition sentences with sums to 12.

Skill: Adding doubles & doubles plus 1 for sums to 12.

Skill: Adding 3 addends with sums to 12



Lesson Essential Questions: How do we use addition to show the joining of groups?

How do we write addition sentences with sums to 12?

Lesson Essential Questions: How do we use doubles & doubles plus 1 facts to solve addition problems? Lesson Essential Questions: How do we solve addition problems wirh 3 addends?



horizontal



Plus Equals Addend Sum

Add

Vocabulary

Number sentence vertical

Vocabulary: Doubles Doubles plus 1 Vocabulary: Addition strategies



Big Idea: Students will be able to solve subtraction problems, learn subtraction facts to 12, & relate addition & subtraction sentences.

Unit Essential Question

How do we solve subtraction problems from 12 or less, in both vertical & horizontal forms, and relate addition and subtraction?







Skill: Understanding subtraction as a separation of groups. Writing subtraction sentences from 12 or less in vertical & horizontal form.

Skill: Adding & subtracting with zero. Subtracting by counting back with a number line.

Skill: Identifying related addition & subtraction facts and completing fact families.





Lesson Essential Questions: How do we use subtraction to show the separation of groups?

How do we write subtraction sentences in vertical & horizontal forms?

Lesson Essential Questions: How do we use a number line to subtract by counting back?

How do we add & subtract with zero?

Lesson Essential Questions: How do we identify fact families as related addition & subtraction facts?







Vocabulary Subtract Minus Difference Vertical horizontal Vocabulary: Number line Counting back Zero

Related addition & subtraction facts
Fact families
More

Vocabulary:

fewer

Big Idea: Students will be able to read and interpret data from various kinds of graphs.



How do we read different kinds of graphs to find out information?







Skill: Reading a venn diagram, tally chart, real graph, picture graph, pictograph, bar graph.

Skill: Taking a survey and putting the information into a graph

Skill: Finding range, mode and median for a group of numbers?





Lesson Essential Questions: Lesson Essential Ouestions: How do you use a Venn diagram? How do you take a survey and put How do you make tally marks? the information into a graph to How do you read a real graph? show the results? How do you read a pictograph?

Lesson Essential Ouestions: How do you find the range, mode and median for a set of numbers?



How do you read a picture graph? How do you read a bar graph?





Vocabulary Venn diagram Tally marks Tally chart Real graph Pictograph Picture graph Bar graph

Vocabulary: survey

Vocabulary: Range Greatest Least Median Middle Mode Most often

Big Idea: Each number has a value

Unit Essential Question

What is the value of a number and their relationship to other numbers?



Skill:	Skill:	Skill:
Tens and Ones	Number placement in relationship to other numbers	Skip counting

Lesson Essential Questions:

How do you show the numbers 1-100 in place value form?

Lesson Essential Questions:

How do you determine a value of a designated digit of a number?

How do you compare two-digit numbers using the symbols <,= and >?

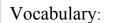
Lesson Essential Questions:

How do you count by 2s, 5s and 10s?



Vocabulary





Tens
Ones
Ones
10 ones = 1 ten
Two digit number

Estimate
Value
Value
Digit
Expanded form
Compare

Even and Odd
Count by 2s
Count by 5s
Count by 10s

Hundred Chart

Vocabulary:

Unit 6

Big Idea: Students will be able to add and subtract numbers with sums to 20, write addition sentences, identify patterns & solve problems with sums to 20.

Unit Essential Question

How do we solve addition and subtraction problems with sums to 20?



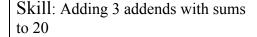




Skill: Understanding addition as a joining of groups and subtraction as a removing of objects. Writing addition and subtraction sentences to 20.



Skill: Fact Families







Lesson Essential Questions:

How do we use addition to show the joining of groups?

How do we write addition and subtraction sentences to 20?

How do we use subtraction to show the difference of two numbers?

Lesson Essential Questions:

How do you show that addition and subtraction sentences are related?

How can you use the same three numbers to make 2 addition and 2 subtraction problems?

Lesson Essential Questions: How do we solve addition problems with 3 addends?







Vocabulary

vertical

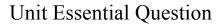
Add horizontal
Plus subtract
Equals difference
Addend whole
Sum part
Number sentence

Vocabulary: Related addition facts Related subtraction facts Fact family

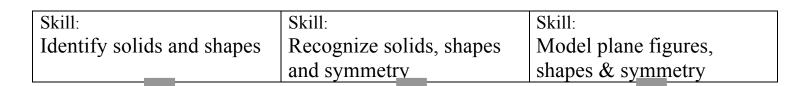
Vocabulary: Addition strategies

Big Idea:

Geometry is the understanding of objects in space.



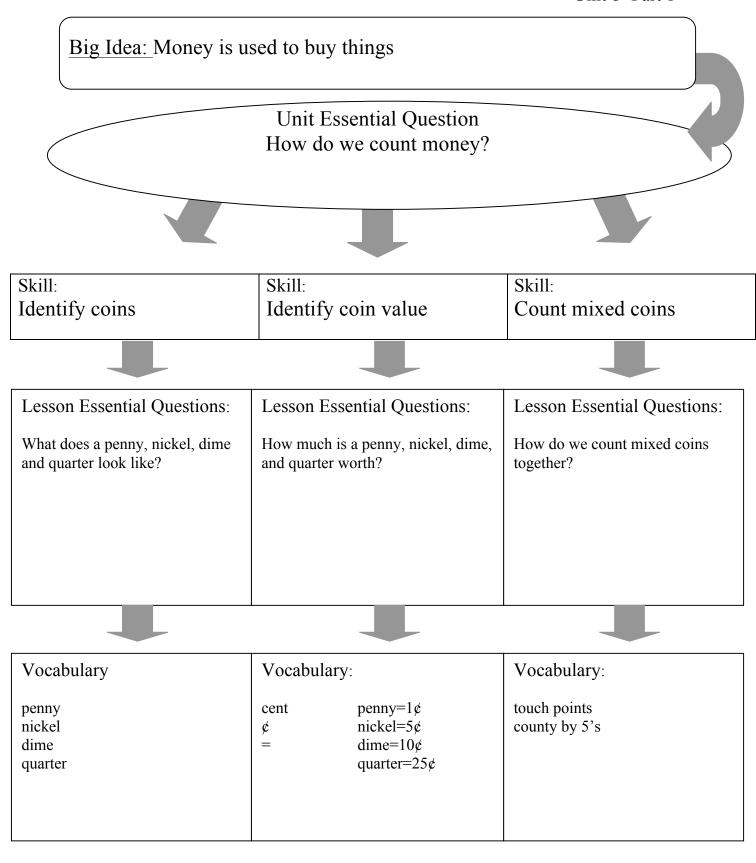
What is geometry?



Lesson Essential Questions:	Lesson Essential Questions:	Lesson Essential Questions:
How do you identify plane figures?	How do you recognize and sort plane figures by shape?	What representation of plane figures are in the environment?
How do you identify, sort solids, patterns and congruent shapes.	How do we locate ordered pairs on a grid?	
How do you verify lines of symmetry?		

Vocabulary		Vocabulary:	Vocabulary:
sides vertex (corner) solid figures roll slide cube rectangular prism	cylinder stack flip turn symmetry sphere cone	closed figure open figure plane figure flat surface curved surface edge face	circle square rectangle triangle

Unit 8- Part 1



Big Idea: We use clocks and calendars in our everyday lives.

Unit Essential Question:
How do I read and use a clock and a calendar?





Tell time to the hour and half hour



Determine and estimate lengths of time

Skill

Read and use a calendar





*How do I tell time to the hour?

- *How do I tell time to the half hour?
- *How can I identify half hour and hour time patterns?



Lesson Essential Questions:

- *How do I identify the length of elapsed time to the hour?
- *How do I identify the length of elapsed time to the half hour?
- * How do I identify if a task takes about one hour or about one minute?
- *How do I order events using morning, afternoon, and evening?

Lesson Essential Questions:

- * How do I identify, read, and write ordinal numbers 11ththrough 31st?
- *How do I read and understand a calendar?
- *How do I solve problems involving a calendar?



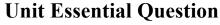




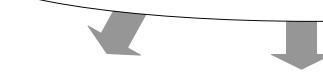
Vocabulary: digital clock analog clock hour hand minute hand half past one half hour half hour pattern

hour pattern

Vocabulary: elapsed time about one minute about one hour morning, afternoon, evening events Vocabulary: ordinal numbers calendar months year weeks days date **Big Idea:** We measure with standard + non-standard units.



How do we measure objects?





Measure length and height

Skill:

Measure capacity/weight

Skill:

Measure temperature





How do you use nonstandard units to estimate length/height?

How do you count nonstandard units to find perimeter?

How do you compare/order length and height?

How do you estimate length to the nearest inch/centimeter?

How do you compare any objects length to 1 foot?



Lesson Essential Questions:

How do you use nonstandard units to estimate capacity?

How do you compare cups, pints, and quarts?

How do you use nonstandard units to estimate weight?

How do you compare any objects weight to 1 pound, 1 liter,1 kilogram?



Lesson Essential Questions:

How do you read a thermometer? How do you choose an appropriate measuring tool?



centimeter

centimeter ruler





Vocabulary

Length
Height
Perimeter
Inches
Inch ruler
Foot
Width

Vocabulary:

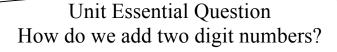
Weight Pound Capacity Cups Pints Quarts

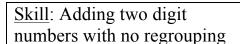
Vocabulary:

Thermometer Degrees F Temperature

Unit 10

Big Idea: Students will be able to add 2-digit numbers

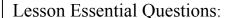






<u>Skill</u>: Adding tens and ones with regrouping





How do we add multiples of ten, including dimes, to sums of 90?

How do we use models to add ones and tens with no regrouping?

How do we check our sum using the communtative property of addition?

How do I count on using ones or tens?

How do we add dimes and pennies?

Lesson Essential Questions:

How do we round to the nearest ten?

How do we find the nearest ten?

Lesson Essential Questions:

How do we regroup 10 ones as 1 ten?

How do we add ones and tens, regrouping ones?

How do we add money when regrouping 10 pennies as 1 dime?







Vocabulary

Add Horizontal
Plus Count on
Equals Dime
Addend Penny
Sum Ones
Number sentence

Vertical Models

Communtative Property

Tens

Vocabulary:

Rounding Nearest ten

Vocabulary:

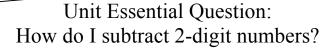
Regroup

10 ones can be regrouped as 1 ten

Subtraction: Two Digit Numbers

Unit 11

Big Idea: We can subtract 2-digit numbers with or without regrouping.







Subtract ones and tens without regrouping



Explore rounding and estimating differences

Skill.

Subtract ones and tens with regrouping









Lesson Essential Questions:

- How do you subtract ones and tens without regrouping?
- How do you use addition to check subtraction?
- How do you subtract 2-digit money amounts without regrouping? How can you use mental math to subtract 2-digit and 1-dgit numbers?

Lesson Essential Questions:

*How do you use rounding to estimate differences?

Lesson Essential Questions:

- *How do I regroup 1 ten for 10 ones?
- *How do you subtract ones and tens with regrouping?
- *How do you subtract 2-digit money amounts with regrouping?
- *How can I use mental math to add and subtract 2 digit and 1 digit numbers?







Vocabulary:

- 1-digit number
- 2-digit number difference

tens

ones minus

take away mental math Vocabulary:

estimate rounding Vocabulary: regroup

Big Idea: We divide objects and sets into fractions. We can us probability to determine the likelihood of an event.

Unit Essential Question:

How do we divide object and sets into equal part using fractions? How can we determine thes likelihood of an event using probability?







Skill: Explore fractions, including 1/2, 1/3, and 1/4

Skill: Explore the basics of probability

Skill:







Lesson Essential Questions:

- * How do I identify equal parts of a whole?
- *How do I identify one half of a whole?
- *How do I identify one third of a whole?
- *How do I identify one fourth of a whole?
- *How do I identify the appropriate fraction of a set?

Lesson Essential Questions:

- *How do I identify events that are certain to occur, possible to occur, or impossible to occur?
- *How do I determine if an event is more likely, less likely, or equally likely to occur?
- *How can I find the number of different ways to arrange objects given to me?

Lesson Essential Questions:







Vocabulary: equal parts fair share whole one half, 1/2, halves fraction one third, 1/3, thirds one four, 1/4, fourths part of a set Vocabulary: certain possible impossible more likely less likely equally likely Vocabulary: