2nd Grade Math

1st Six Weeks

- Strategies to add & subtract within 20
- Adding using doubles facts
- Adding in any order (2 & 3 digits)
- Make a 10 strategy
- Explain how to solve a problem
- Using a 10 frame to add & subtract
- Use strip diagrams –part, part, whole
- Think addition to subtract

2nd Six Weeks

- Counting, reading, writing to 1200
- Standard form and expanded form
- Decompose numbers multiple ways
- Locate numbers on a number line
- Compare & order numbers up to 1200
- Generate number > or < than given number
- Adding 2 digit numbers mentally

3rd Six Weeks

- Adding & subtracting using 100's chart
- Subtracting 2 digit numbers mentally
- Finding parts to 100 (2 numbers total 100)
- Solving addition & subtraction 2 step problems
- Regroup 10 ones for 1 ten
- Add 2 digit numbers and 1 digit number
- Add four 2 digit numbers (models & algorithm)
- Adding on a number line
- Make a strip diagram to solve word problem
- Write a number sentence from strip diagram

4th Six Weeks

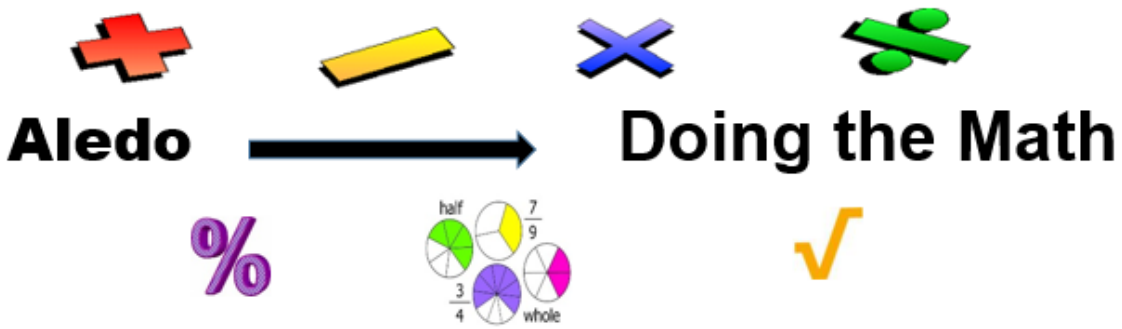
- Regroup to subtract 1 digit from 2 digits
- Subtract 2 digit numbers (models & algorithm)
- Subtracting on a number line
- Using addition to check subtraction
- Writing math stories
- Solving 2 step problems(add & subtraction)
- Add & sub.3 digit numbers-model & algorithm
- Create, model, describe Mult. & Div

5th Six Weeks

- Count a set of coins up to $1
- Compare sets of coins (using > & <)
- Determine even & odd using pairing of objects
- Counting by 1, 10, & 100 up to 1200
- Solve when unknown is any one of the terms
- Divide into equal parts naming ½ , 4th, 8th
- Recognize the more pieces - smaller the piece
- Recognize how many parts to make a whole
- Identify & sort 2-D shapes w/ 12 or less sides
- Sort 3-D(sphere,cone,cube, cylinder, rect/tri prism)
- Create 2-D & 3-D figures w/ given properties
- Decompose 2-D shapes into smaller shapes

6th Six Weeks

- Read & write time nearest minute(analog/digit)
- Find area by covering rectangle w/ sq units
- Find length(models, metric and customary)
- Solve problems w/ length including estimating
- Describe relationship: size of unit & number
- Reading & creating picture graphs & bar graphs
- Differences in saving & spending
- Deposits, withdrawals, borrowing, lending
- Calculate cost to produce an item



2nd Grade Strategies

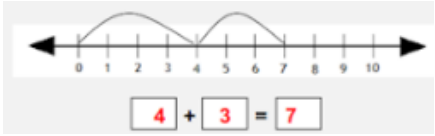
Strip Diagram:

whole
part | part

120's chart:

Add or Subtract

Number line:



Add 54 + 18:

Start at 54. You need to add the tens from 18. Move down 1 row to show 1 ten.

You're already at 64. Now move ahead 8 to show 8 ones. You need to go to the next row to add them all. So, 54 + 18 = 72.

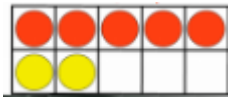
51	52	53	54	55	56	57	58	59	~~60~~
61	62	63	~~64~~	~~65~~	~~66~~	~~67~~	~~68~~	~~69~~	~~70~~
~~71~~	72	73	74	75	76	77	78	79	80

Use place value blocks:

37 + 19 must regroup

10 frame:

5 + 2 = __



Use manipulatives:

Make a 10:

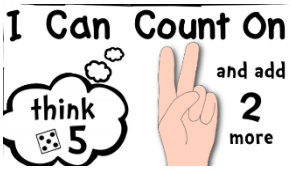
9 + 5 = 9 + (1 + 4) = (9 + 1) + 4 = 10 + 4 = 14

Draw a picture:

3 + 2 = 5

Counting on:

Start w/largest number.
Use 2nd number to count up



Use doubles facts: 8 + 9 = ?

Think: 8 + 8 = 16 then 1 more = 17

For more information and activities: www.math4texas.com