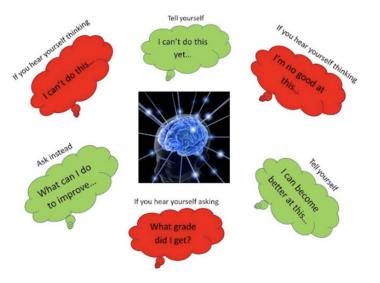
How Can I Support My Child in Math?

PTO Meeting 2/7/24

Kathleen Moschella Math Interventionist

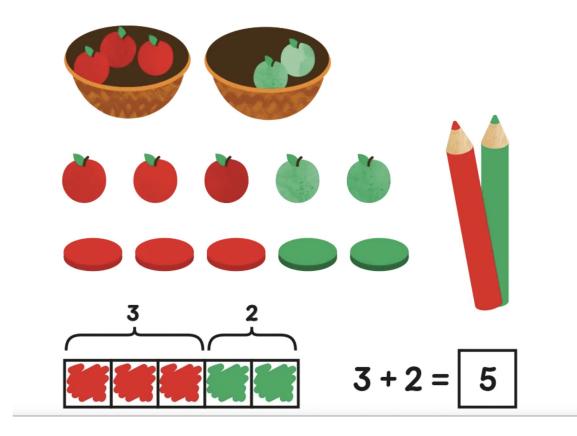
Math Attitudes

- "<u>I am not a math person</u>" *Erase* this phrase
- <u>Model a growth mindset</u>
- Watch messaging around mistakes
- Praise your child's effort, not achievement
- Look for math in the world
- When your child is stuck, be curious.



Growth Mindset Maths. (n.d.). Growth mindset characteristics [Image]. Retrieved from http://www.growthmindsetmaths.com/

CPA - Concrete/Pictorial/Abstract



Fluency of Whole Number Calculations (CCSS)

	Learn	Master	
Grade K	Add and subtract within 10	Add and subtract within 5	
Grade 1	 Add and subtract within 20 Add with 2-digit + 1-digit, 2-digit + multiple of 10 Subtract with multiple of 10 – multiple of 10 (less than 100) 	• Add and subtract within 10	
Grade 2	 Add and subtract within 100 Add up to four 2-digit numbers Add and subtract within 1000 	 Add and subtract within 20 (using menta strategies) Add and subtract within 100 	
Grade 3	 Multiply and divide within 100 Multiply 1-digit x multiple of 10 (e.g., 9 x 80) 	 Multiply and divide within 100 Add and subtract within 1000 	
Grade 4	 Multiply up to 4-digit x 1-digit, 2-digit x 2-digit Find whole number quotients and remainders with up to 4-digit dividends and 1-digit divisors 	 Add and subtract multi-digit whole numbers (standard algorithm) 	
Grade 5	 Find whole number quotients with up to 4-digit dividends and 1-digit and 2-digit divisors 	 Multiply multi-digit whole numbers (standard algorithm) 	

Mactor

Loarn

K Mastery - Add and subtract within 5 Count to 100 by 1s and 10s 1st Mastery - Add and subtract within 10 Counting to 120, starting at any number

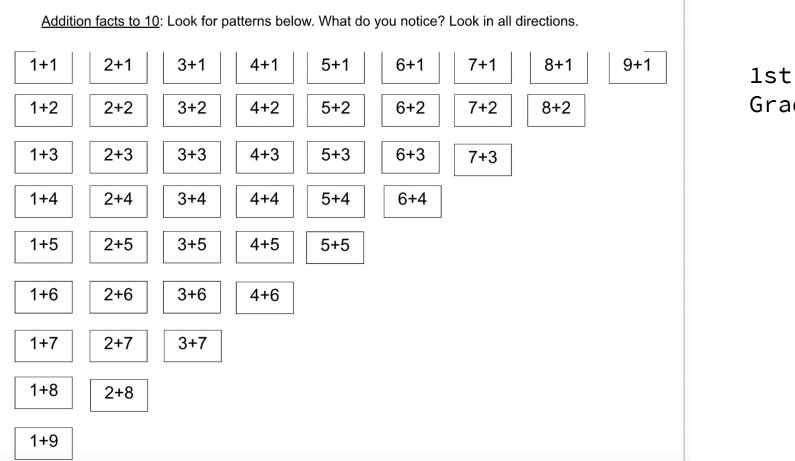
Games or activities

Counting while waiting in line - Count 1-100, Count to 100 by tens, Count backwards starting at 10 then 20. What is one more than? What is one less than?

Board games, dice games, Junior Yahtzee, Bump, Dominoes, Snap games, and Rummikub.

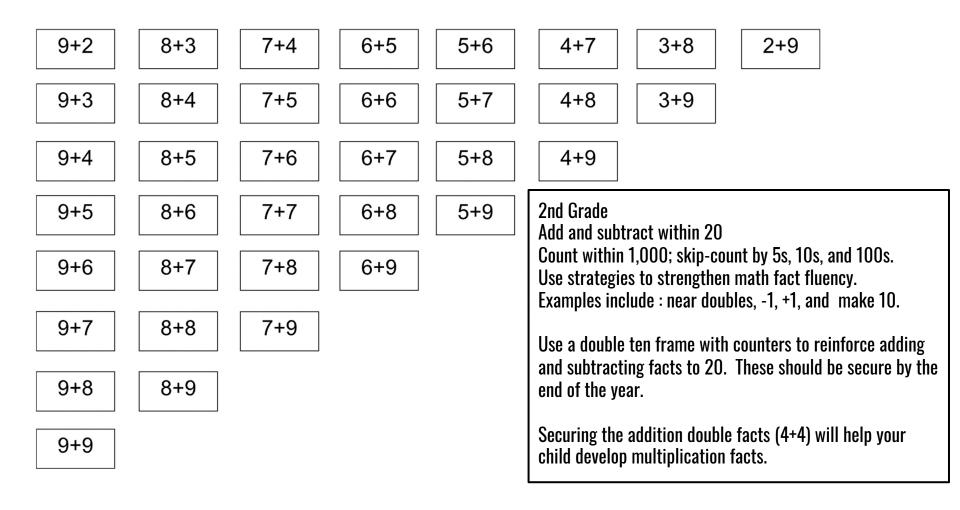
Point out numbers in the world, read and name these numbers with you.

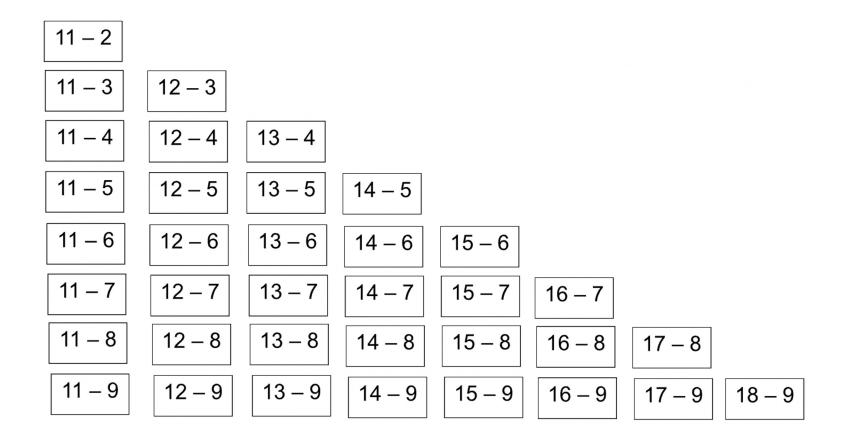
Look for ways you are using math and get your child involved. For example, if you are volunteering and you're counting items, have your child help you count or match items.



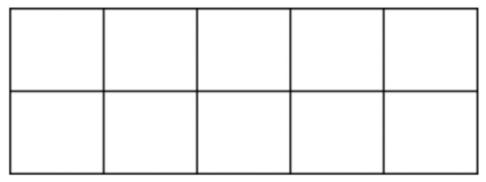
Grade

Subtraction Facts to 10





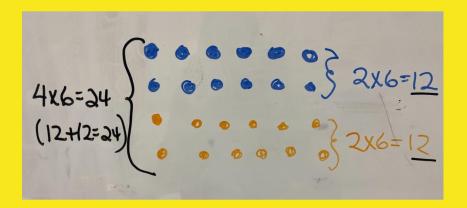
DOUBLE TEN FRAME



Can be used to recognize numbers, add and subtract numbers 1-20.

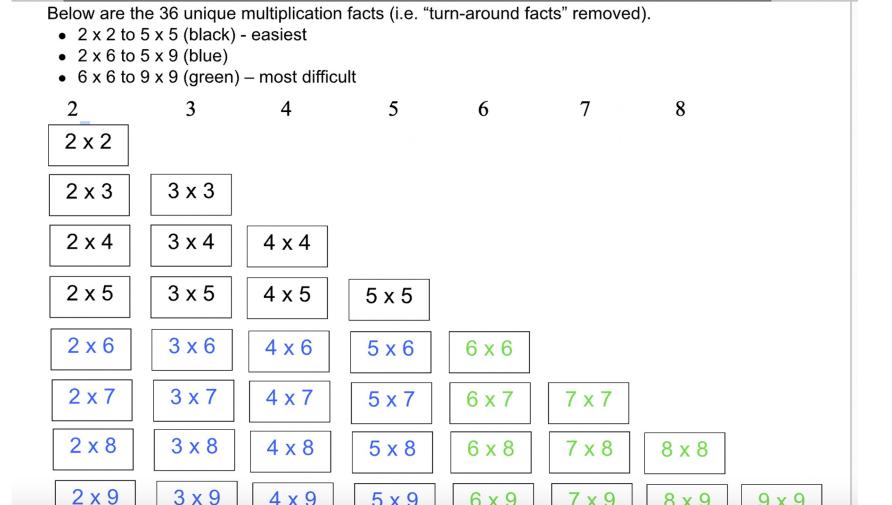
3rd/ 4th /5th Grade Multiplication and Division Facts

- Children should understand that multiplication involves groups of items. (Repeated addition)
- You can't tackle all of the facts at once. Select a few facts at a time.
- Short sessions done with frequency are more beneficial than longer sessions.



Strategies or activities that promote multiplication/ division fact retention.

- Systematic review (2, 5, 10)
- Online programs Example: Reflex
- Games memory, fly swat, snowball, concentration/ matching
- Cover, copy, and compare
- Have your child make up songs, poems, chants for the facts that they are stuck on.



5 x 9

6 x 9

7 x 9

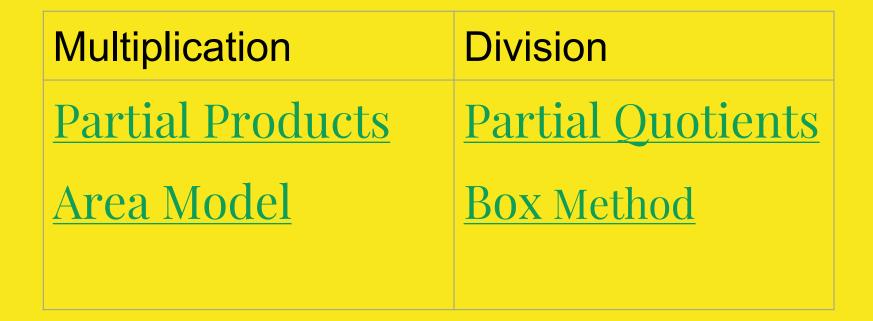
8 x 9

9 x 9

3 x 9

4 x 9

Multiplication & Division Algorithms You May Not Know



Thank you for your attention!!!



As the kids would say jk- just kidding!

"Math gives us hope that every problem has a solution." -unknown



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Growth Mindset Maths. (n.d.). Growth mindset characteristics [Image]. Retrieved from http://www.growthmindsetmaths.com/

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