



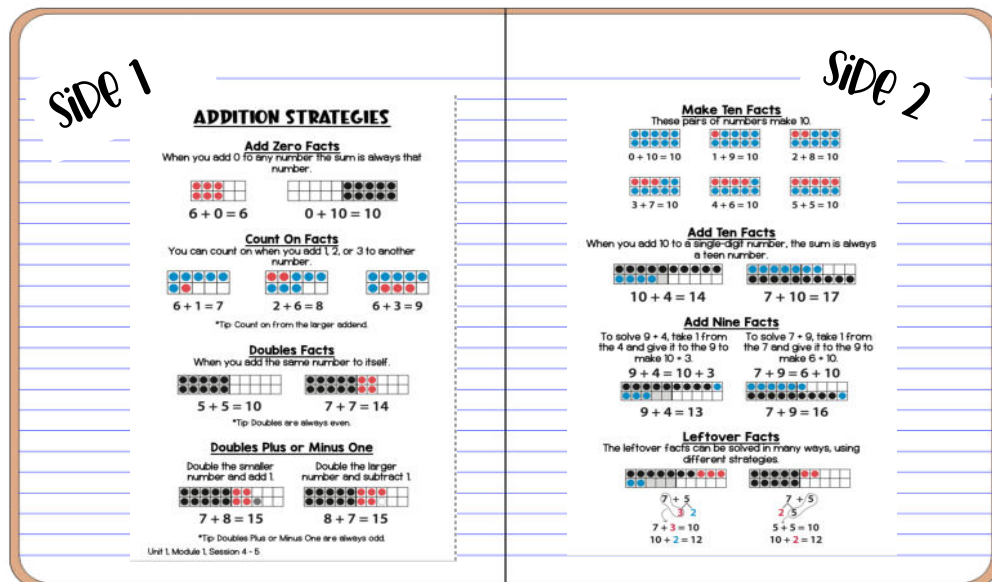
BRIDGES 3RD GRADE

UNIT 1

Student Notebook/Journal Pages

TEACHER NOTES:

- This file contains student notebook pages for Bridges Grade 3 Math, Unit 1.
- These pages were designed to help differentiate based on student needs and allow students to go back and review key concepts.
- These pages are made to fit in any size notebook (composition or spiral). Simply cut on the dotted line and glue on necessary pages inside notebook.



Note: If you want to fit the whole page on a single notebook page, you will need to either print 2 copies per page OR scale the page down to 80%.

Fonts Used:

Headings: **AG ADULTISH**

Definitions: AG Lazy Level Expert Bold



A COMMUNITY OF LEARNERS...

- Shares materials
- Listens to others
- Keeps hands off math materials when someone is sharing
- Helps clean up
- Explains ideas to others
- Helps people when they make mistakes
- Disagrees respectfully
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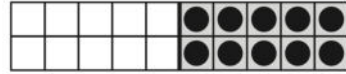
ADDITION STRATEGIES

Add Zero Facts

When you add 0 to any number the sum is always that number.



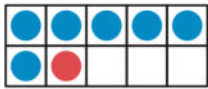
$$6 + 0 = 6$$



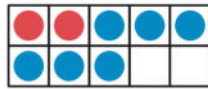
$$0 + 10 = 10$$

Count On Facts

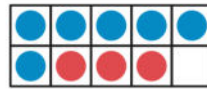
You can count on when you add 1, 2, or 3 to another number.



$$6 + 1 = 7$$



$$2 + 6 = 8$$

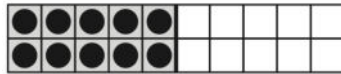


$$6 + 3 = 9$$

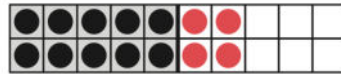
*Tip: Count on from the larger addend.

Doubles Facts

When you add the same number to itself.



$$5 + 5 = 10$$



$$7 + 7 = 14$$

*Tip: Doubles are always even.

Doubles Plus or Minus One

Double the smaller number and add 1.



$$7 + 8 = 15$$

Double the larger number and subtract 1.

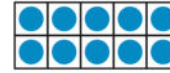


$$8 + 7 = 15$$

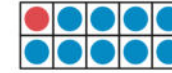
*Tip: Doubles Plus or Minus One are always odd.

Make Ten Facts

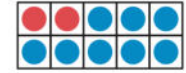
These pairs of numbers make 10.



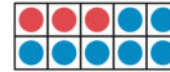
$$0 + 10 = 10$$



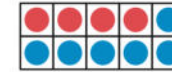
$$1 + 9 = 10$$



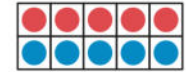
$$2 + 8 = 10$$



$$3 + 7 = 10$$



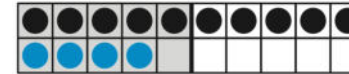
$$4 + 6 = 10$$



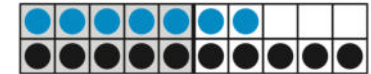
$$5 + 5 = 10$$

Add Ten Facts

When you add 10 to a single-digit number, the sum is always a teen number.



$$10 + 4 = 14$$



$$7 + 10 = 17$$

Add Nine Facts

To solve $9 + 4$, take 1 from the 4 and give it to the 9 to make $10 + 3$.

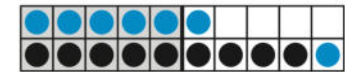
$$9 + 4 = 10 + 3$$



$$9 + 4 = 13$$

To solve $7 + 9$, take 1 from the 7 and give it to the 9 to make $6 + 10$.

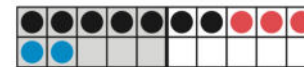
$$7 + 9 = 6 + 10$$



$$7 + 9 = 16$$

Leftover Facts

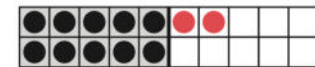
The leftover facts can be solved in many ways, using different strategies.



$$7 + 5 = 12$$

$$7 + 3 = 10$$

$$10 + 2 = 12$$



$$7 + 5 = 12$$

$$5 + 5 = 10$$

$$10 + 2 = 12$$

SUBTRACTION STRATEGIES

Zero Facts

When you subtract 0 from any number, the difference is always the number you started with.



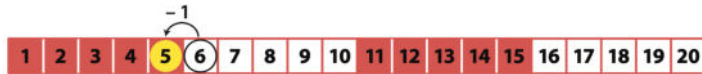
$$11 - 0 = 11$$



$$18 - 0 = 18$$

Count Back Facts

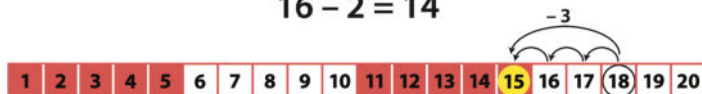
You can count back when you subtract 1, 2, or 3 from another number.



$$6 - 1 = 5$$



$$16 - 2 = 14$$

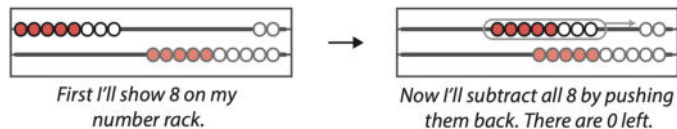


$$18 - 3 = 15$$

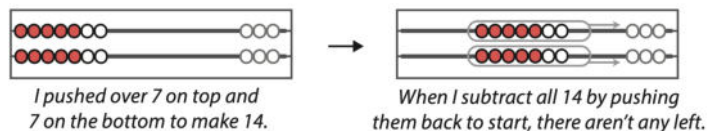
Take All Facts

Any number minus itself is always 0.

$$8 - 8 = 0$$

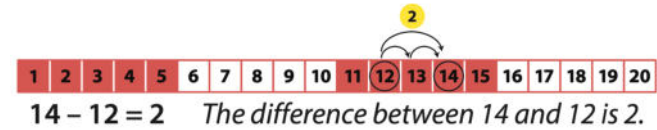
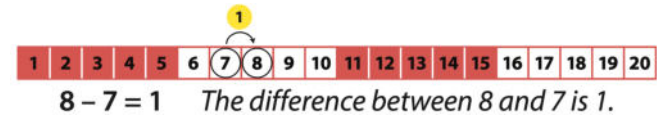


$$14 - 14 = 0$$



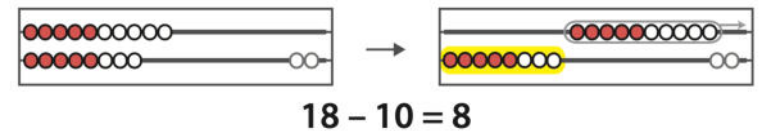
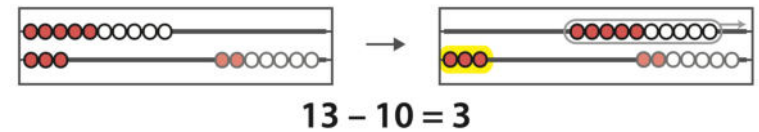
Neighbor Facts

The difference between two numbers that live next door to each other, or almost next door, is always 1 or 2.



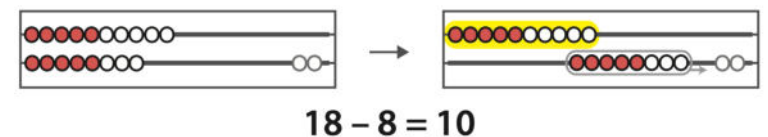
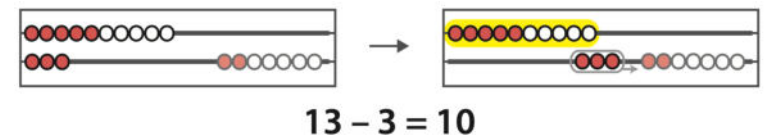
Take Away Ten Facts

When you subtract 10 from a teen number, only the ones are left.



Back to Ten Facts

When you subtract all the ones from a teen number, all you have left is 10.

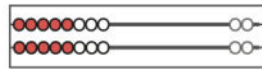


MORE SUBTRACTION STRATEGIES

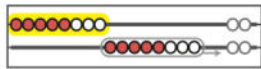
Take Half Facts

When you subtract half of a number, the answer matches the amount you subtracted. Can you explain why?

$$16 - 8 = 8$$



I slid over 16 beads, 8 on top and 8 on the bottom.

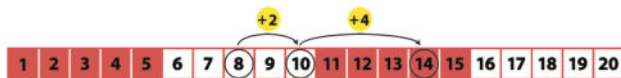


When I subtract 8 by pushing all of the beads on the bottom row back to start, there are still 8 on top.

Up to Ten Facts

To use the Up to Ten strategy, add to the smaller number to make ten. Then add more to reach the larger number. The total amount you add is the difference.

To subtract 8 from 14, think of $8 + 2 = 10$, then add 4 more to get 14.

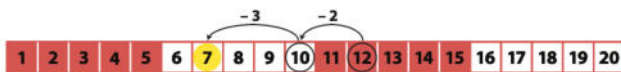


$14 - 8 = 6$ The difference between 14 and 8 is 6.

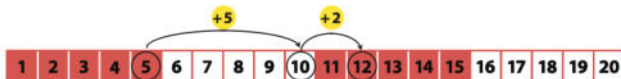
Leftover Facts

The leftover facts can be solved many ways, using different strategies.

Here are two strategies for $12 - 5$.



$12 - 2 = 10$ and $10 - 3 = 7$, so $12 - 5 = 7$



$12 - 5 = 7$ The difference between 12 and 5 is 7.

WORKPLACE EXPECTATIONS

- Walk safely to work places
- Take your work place folder and pencil with you
- Use quiet, volume 1, voices that only your partner can hear
- If you have a question, ask other students at the work place first, before you ask the teacher
- Be kind and cooperative – help others
- Use materials carefully
-
-

WHEN YOU'RE DONE

- Check off the work place on the log on your folder
- Put finished and unfinished work where they belong in your folder
- Put materials back in the bin the way you found them
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PROBLEM STRINGS: ADDING TENS



PROBLEM STRING: ADDING TENS



PROBLEM STRINGS: GET TO A FRIENDLY NUMBER



PROBLEM STRING: GET TO A FRIENDLY NUMBER

