Strategies to 20 Activity Board

HEART MATH TUTORING

Using a crayon, shade in the box once you've completed the activity. Then, you choose which arrow to follow next!

PRINT blank ten-frame cards here https://bit.ly/10framemat

START HERE

10 + 7 = _____   19 - 9 = _____

4 + 10 = _____   15 - 10 = _____

10 + 8 = _____   12 - 2 = _____

Play "10 and more"

https://bit.ly/10AndMore

Watch "Making a 10 to Add"

https://bit.ly/Make10Add

Using the ten-frames below, finish solving the problem: **8 + 7 = _____**
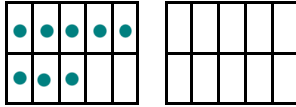
Fill in the 7 dots you need to add (starting on the first ten-frame). How many did you need to use to complete the 10? _____

And then how many dots were leftover that you put into the next ten-frame? _____

So altogether you had 10 + _____ = _____
                          ↑   *leftovers*   *total*
                  completely   *in second*
                  filled first *10-frame*
                  10-frame

Monster Tens

Use the online ten-frames to solve:

6 + 8 = _____   9 + 7 = _____

8 + 9 = _____   5 + 9 = _____

https://bit.ly/10frameCM

On scratch paper, complete the "Big 3" sentence stems for each problem:
⟹   I used _____ to make a ten.
⟹   I had _____ leftover.
⟹   That gave me _____ altogether.

Complete "Addition to 20"

https://bit.ly/Addto20

(Remember to think about making a 10 and leftovers!)

Play "Addition Splat"
Choose LEVEL 2

https://bit.ly/AddSplat

Complete "Subtraction within 20"

https://bit.ly/Subtract20

Play "Subtraction Splat"
Choose LEVEL 2

https://bit.ly/SubSplat

Play "Skill Builders Addition"

https://bit.ly/SkillAdd

Remember to think about making a 10 and leftovers!

Polly the Pony has 3 chocolate cookies and 2 peanut butter cookies. If she buys 8 oatmeal cookies at the bakery, how many cookies does Polly have altogether? _____

Play "Roll and Add"   Gather an object (like pennies, goldfish, paperclips or counters). You will need 20 of whatever you choose. Print or draw a ten-frame card and fill in 9 spaces using your objects. Roll a dice. Whatever number the dice lands on, add it to the 9. *Remember: first make a ten and then figure out your leftovers*. Record on paper. Roll 3 more times.

Choose a new starting number between 5 and 8 and fill in your ten-frame. Roll the dice and solve the addition problem you rolled. Repeat 3 more times for that starting number.

If needed, Virtual Dice: http://www.didax.com/apps/

Benny the Bee has a shelf full of books. There are 6 green books and 1 pink book. There are 3 more purple books than pink. How many books does Benny have in all? _____


Play "Flip and Subtract"   Print or draw two ten-frame cards. Fill in 10 dots on the first card and 5 dots on the second card. Next, find a deck of cards. After removing 10-cards and face cards, flip over the top card in the deck. Subtract this number from the 15 on your ten-frames. *Try to take away the number by using parts rather than counting by 1's. (See the 13-7 box in lower left corner of this activity board for an example.)* Record on paper. Flip another card and repeat.

Choose a new starting number between 11 and 17. Draw new ten-frames and fill in with your new number. Repeat directions above for this new starting number.

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13 – 7 = _____

Without counting by 1's, use the ten-frames to help you take away 7 in parts.
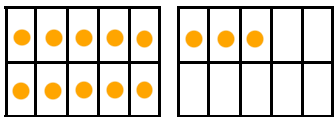
From this ten-frame, take away ____.
                          part 2

From this ten-frame, take away ____.
                          part 1

Hint: To start, take every dot on this ten-frame away!

_____ + _____ = 7
part 1 **part 2**   ↑ **the amount being taken away**

Play "Minus Mission"

https://bit.ly/MissionMinus

Enter values 7 thru 19

Play "Skill Builders Subtraction"

https://bit.ly/SkillSub

Remember to think about breaking the number into parts instead of counting by 1's!

Emoji Art

Do the math to figure out how many of each emoji to draw in your picture:

-happy emojis   10 + 3 = _____
-sad emojis   8 + 6 = _____
-angry emojis   17 - 7 = _____
-surprised emojis   15 - 9 = _____
-sunglasses emojis   12 - 8 = _____
-sleepy emojis   7 + 7 = _____
-YOU as an emoji   11 - 10 = _____

WAY TO GO!

You're a **STRATEGIES**

SUPERSTAR!