| Literature Vocabulary | Unit 2, Lesson $211^{\text {st }}-2^{\text {nd }}$ |
| :---: | :---: |
| habitat oceans | TV Lesson |
| colorful | Read objectives while pointing to the words in the math |
| blend shore | lesson objectives. After each math objective, show children |
| shore tide pool |  |
| swamp lake | Math Objectives: |
| Math Vocabula | - Solve addition and subtraction problems. |
| add | cognize fact familie |
| subtrac | - Understand what the equal sign means. |
| compar regroup | - Identify sums of ten as compatible numbers. |
| tens | - Use a number line to represent sums and difference |
| ones |  |
| math mo | Language Objectives: |
| fact families compatible numbers | - Listen to the TV Teacher. |
|  | - Speak: Explain fact families and how they can help you learn basic facts. |
| Materials <br> - Unifix or Linking cubes (two 1-color trains per student) | - Speak: Explain how compatible numbers help you add and subtract. |
|  | ad TV Teacher's notes on the TV and the record sheet |
| - Fact Family Houses of sums of 10 from Fact Family Match game | - Write the compatible number combinations on the number lines. |
| - BLM Compatible Numbers on the Number Line - 3 per student | Building Background, Math |
|  | TEACHER: We have two new objectives to tackle today. We are going to take a closer look at our fact family houses for 10 , and we're going to use number lines. Boys and girls, can you tell your teacher what a number line is? (pause, then to Azulito) |
| $\mathbf{C I}=24$ minutes <br> AC $=2$ minutes | AZ |
|  |  |
| ELPS (English Language Proficiency Standards) | TEACHER: That is exactly what a number line is, Azulito, and we can use a number line to represent addition and subtraction just like we used the cubes. |
| 2A, 2B, $2 \mathrm{~F}, 2 \mathrm{I}, 3 \mathrm{~A}, 3 \mathrm{E}, 3 \mathrm{H}$ | We're also going to look again at the sums of 10 fact families. Th |
| CCRS (College and CareerReadiness Standards) | are very special numbers we can call "friendly numbers." |
|  | Mathematically we call them compatible numbers. There's another |
| ELA | one of our vocabulary words! (Show, say, students repeat.) It just |
| II.B.1; III.B.1,2,3; IV.A.2,3; IV B 123 | means that the numbers add together to make 10 . They are a sum of |
| IV.B.1,2,3 MATH | 10 fact family. |
| I.A.1; I.B.1; VIII.B.1,2; IX.A.1; IX.B.1,2; IX.C.1,3; X.A.1,2 CROSS DISCIPLINARY | We're going to use our fact family sums of 10 houses, our cubes, and number lines to model these compatible numbers. |
| $\begin{aligned} & \text { 1.A.1,2; I.B.1,2,3,4; I.C.1,2,3; } \\ & \text { II.A2 } \end{aligned}$ |  |


| SMART BOARD <br> Create the number lines, models, number sentences from fact family houses of 10 . | Unit 2, Lesson 2 $\mathbf{1 s}^{\text {st }}-2^{\text {nd }}$ <br> TV Lesson - continued |
| :---: | :---: |
|  | Comprehensible Input, Math |
|  | TEACHER: Let's lay out all of our sums of 10 fact family houses. It doesn't matter what order they are in as long as you can quickly get the fact family we want to work with next. (show yours) |
|  | Be sure your two 10-cube trains are handy. (show yours) |
|  | Now, let's take a look at our BLM Compatible Numbers on the Number Line. |
|  | First of all, take a few minutes, boys and girls, to explore these number lines. They are all the same. What do you observe on the top number line? Classroom Teachers, please collect their thoughts on the board of chart paper. (Give them a fair amount of time to explore, then you and Azulito talk about the following attributes, writing them on the board.) |
|  | - Straight line with arrows at each end - what do you suppose the arrows at each end means? (The line goes on in both directions - we're just showing the numbers in a small part of it.) |
|  | - There are straight lines spaced pretty equally apart with numbers under them. These are the numbers on the number line. What numbers do we have? (zero through 10) |
|  | - So (pointing from zero to 1 ), from here to here is ONE space. We have marked off 10 spaces on this number line. (Count each space, starting at zero and run your finger or some marker to the next number on top of the number line to show the distance between the two lines.) |
|  | - There are four number lines for every compatible numbers fact family. Why do you suppose we would have four number lines for each? Tell your Classroom Teachers, boys and girls. (pause) We have four number lines because most of the fact families will have four number sentences and we want to represent all of them. <br> - You may have seen more attributes of the line. Good for you! You are very observant! |
|  | Let's use all of our strategies available to us now to represent compatible numbers. What are compatible numbers? <br> AZULITO: Sums of 10 fact families |
|  |  |

\(\left.$$
\begin{array}{|l|l|}\hline & \begin{array}{l}\text { Unit 2, Lesson 2 } \\
\text { TV Lesson - continued } \\
\text { TEACHER: Let's start with the sums of 10 fact family } 2,8,10 . \\
\text { Please find that house, boys and girls, and lay it where you can see it } \\
\text { (do so as students find theirs). This fact family is a compatible } \\
\text { number fact family. }\end{array} \\
& \begin{array}{l}\text { Now use the cubes to make this sum of 10 fact family. How will you } \\
\text { do that? Remember to use two colors. (Pause, then show yours - two } \\
\text { of one color, eight of the other.) This train is a compatible number } \\
\text { train. } \\
\text { We have our compatible number fact family house, and we have our }\end{array}
$$ \\
compatible number train. \\
Let's use the number line now. There are many ways to use a number \\

line. This is one way to use it.\end{array}\right\}\)| What do you suppose you'll need to write at the top of each set of |
| :--- |
| four numbers lines (the compatible numbers fact family)? Our first |
| one is 2, 8, 10. (Ask students to write on theirs while you write on |
| yours.) |




## BLM - Unit 2, TV/Follow-up Lesson 2 <br> Compatible Numbers on the Number Line


(Three per student)

Compatible Numbers (sums of 10 fact family) $\qquad$ , $\qquad$ , $\qquad$

|  |  |  |  |  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |  |



Compatible Numbers (sums of 10 fact family) $\qquad$ , $\qquad$ , $\qquad$


