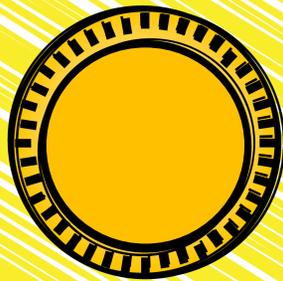
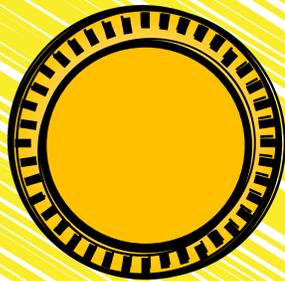
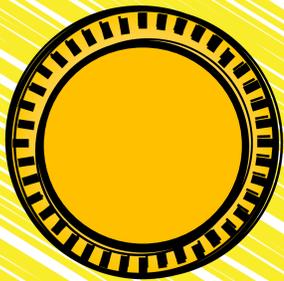


Leaping Leprechauns

Active Learning: Number Lines & Addition



Leaping Leprechauns

Common Core Standards:

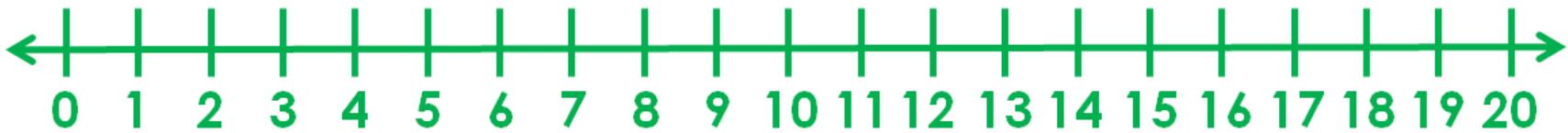
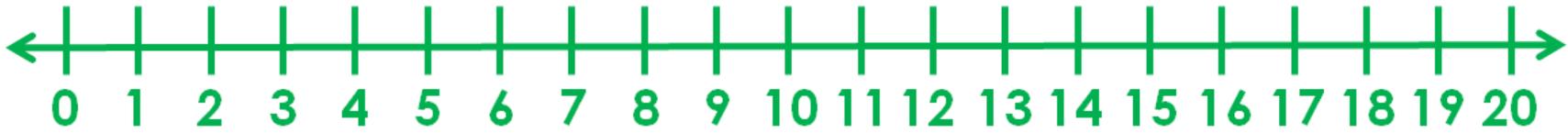
CCSS.Math.Content.1.OA.C.5 Relate counting to addition and subtraction (e.g., by counting on 2 to add 2).

CCSS.Math.Content.1.OA.C.6 Add and subtract within 20, demonstrating fluency for addition and subtraction within 10. Use strategies such as counting on; making ten (e.g., $8 + 6 = 8 + 2 + 4 = 10 + 4 = 14$); decomposing a number leading to a ten (e.g., $13 - 4 = 13 - 3 - 1 = 10 - 1 = 9$); using the relationship between addition and subtraction (e.g., knowing that $8 + 4 = 12$, one knows $12 - 8 = 4$); and creating equivalent but easier or known sums (e.g., adding $6 + 7$ by creating the known equivalent $6 + 6 + 1 = 12 + 1 = 13$). CCSS.Math.Content.1.OA.B.3 Apply properties of operations as strategies to add and subtract.2 Examples: If $8 + 3 = 11$ is known, then $3 + 8 = 11$ is also known. (Commutative property of addition.) To add $2 + 6 + 4$, the second two numbers can be added to make a ten, so $2 + 6 + 4 = 2 + 10 = 12$. (Associative property of addition.)

Objective: Students will use a number line to show counting on and adding two numbers together. Students will explore the concept in a concrete way, by using the classroom number line and wands. Students will find the first number with their leprechaun wand and then leap (count on) from that number to find the sum. Other students will follow along with their personal number lines. Student will complete extension activities to demonstrate their comprehension.

Procedure:

- Print out and laminate gold numbers (pg.6-8) for the class number line and the leprechauns for the wands (pg.5)
- Put painters tape on the floor in advance, so that students can help build the number line.
- This activity is designed for a large or small group activity. It is appropriate for a school or homeschooled setting. It is designed for kindergarten, 1st, or for special education instruction.
- Ask students what they know about number lines, e.g. how number lines can help us, what number lines look like, etc.
- Tell students that they will be building a class number line, so they can do the "Leprechaun Leap!".
- Present students with the large gold coin numbers. Ask students how they can use these numbers to build a number line. Students should look at the numbers and find the smallest and largest number. Students will put the numbers in order from 0-20 and tape them with the painter's tape to the floor.
- After the number line is built, ask students again how they think the number line can help us with math. If no one brings up addition, ask students how they think the number line can help with addition.
- Show students the large leprechaun wand (pg.. 5) and the Addition anchor chart (pg.4)
- Ask students again, how they think the wand and number line can help us add two number together.
- Demonstrate to students how they can use the wand to identify the first number of the number sentence: 3. Students will find the number in the window of the girl/boy wand. This will help to focus their attention on the specific number. Stand right above the number 3 that you found with the wand and "knock" on that number.
- Then, you will demonstrate to students how you hop on, or count on, from the first number. Jump the appropriate number of spaces, in the case of the anchor chart, jump 5 spaces.
- Students will see that counting on the number line helps them find the sum of the two numbers.
- Optional: You can demonstrate to students that they are able to count on from either number. To make counting easier, you can demonstrate that they are able to count on from the biggest number. The anchor chart demonstrates counting on from the larger number.
- After demonstrating with the class number line, you can hand out the personal number lines and small wands.
- Explain that everyone will be doing the "Leprechaun Leap" to some addition problems. Students can solve the addition problems on the extension worksheet (pg. 9) both on the class and personal number lines.



I can add 2 numbers together.



1. Look at the numbers.

$$3+5=$$



2. Find the biggest number.

$$3+5=$$



3. Knock on the biggest number on your number line.

Count on from the biggest number.



4. Count forward the amount of the second number.



5. You found your answer! This is the sum of the number sentence.

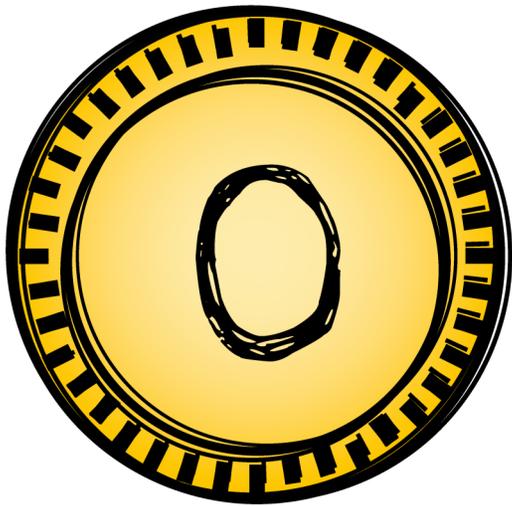
$$5+3=8$$



Directions for Wands

1. Print and laminate the leprechauns.
2. Cut out the middle circle with a razor blade or something sharp.
3. Tape the leprechaun to a popsicle stick.
4. You have a wand that can help students focus on one particular number.









Name _____



Leaping Leprechauns



Add the numbers. Write the sum.

$0+5=$

$1+1=$

$0+1=$

$7+1=$

$2+4=$

$5+3=$

$2+6=$

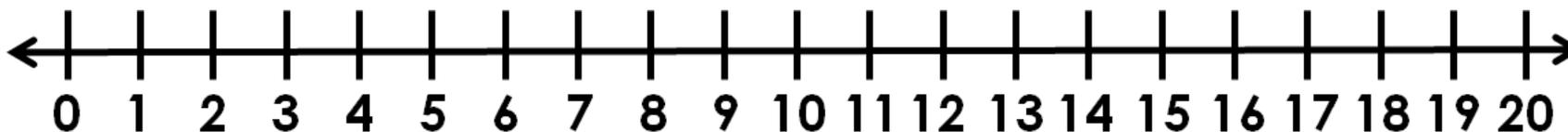
$4+3=$

$3+6=$

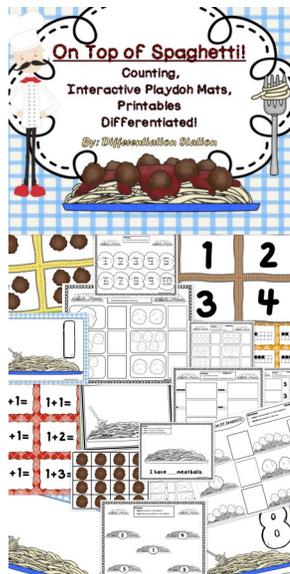
$2+1=$

$3+7=$

$1+4=$



Thanks for trying out this FREE "Leaping Leprechauns" Game! I hope that it stimulates lots of great learning opportunities for your students. If you want more great teaching ideas, click on the pictures below:



Click on the pictures below to follow me for more freebies and teaching resources!



A huge thank you to the wonderful artists, who created this fantastic clip art!

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