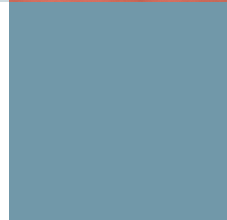


Number

Visuals

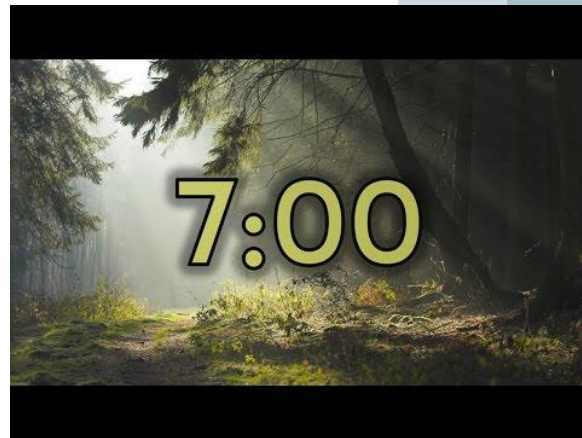
June 19, 2017

April Mouton



Activity

1. Write the number that each visual represents on your number visuals handout.
2. What do you see in the number visuals? Do you notice anything interesting about the way numbers are shown? Share your findings with your group members and discuss them together.
3. Look for interesting patterns. You may find it useful to use colors to highlight them. Describe some of your findings and share with your group members.



Extensions

1. What would other numbers look like if we followed the method of drawing? Eg what would 29 and 30 look like?
2. Create your own visualization for the numbers 1-20
3. Consecutive numbers activity: Work in pairs or trios. Select one Consecutive Number problem. Work with your teammates to write a convincing argument. Use the provided frames for support
4. Be prepared to present your ideas to each other.



Using the hundred chart circle three numbers in a row (horizontally) and add them. Try this with several sets of numbers. Do you see a pattern? Does your pattern work for every group of three consecutive numbers? Write a convincing argument.

Using the hundred chart circle four adjacent numbers to form a square. If you add the diagonals what do you think will happen? What does happen? Does this work for every group of numbers in this pattern? What do you wonder? Write a convincing argument.

Using the hundred chart circle four adjacent numbers to form a square. If you multiply the diagonals what do you think will happen? What does happen? Does this work for every group of numbers in this pattern? What do you wonder? Write a convincing argument.



[illegible]

Math learning is best when we have opportunities to make connections between pictures and numbers. It is good to draw and try to understand mathematics visually.