"Alexa, start Thinking Cap."

Thinking Cap Math

Develop agility in mental math and build the foundation of future learning success.

Addition with 8

Teachers: Practice the problems with the students in the classroom. After this, have them work with Thinking Cap Math on Amazon Alexa to solidify their mental math skills.

Tip: Keep in mind that while working with Alexa, students who experience difficulty with mental math can use concrete props to help them. You can have them use their fingers, toes, or physical counters such as blocks or paper clips.

Material Covered

In this lesson students will practice:

1. Decomposition of the number 8.
2. Addition of the numbers up to 23.
3. Solving word problems with decomposition of the number 8.

Part 1 - Missing Addend

Q1: How many does 5 need to make 8?

Q2: How many does 3 need to make 8?

Q3: How many does 6 need to make 8?

Available on Alexa devices, and on Amazon Alexa app for mobile phone or tablet
www.thinkingcapinnovations.com

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Q4: How many does 1 need to make 8?

Q5 How many does 4 need to make 8?

Part 2 - Find the Sum

Q1: How much is 1 more than 19?

Q2: How much is 2 plus 13?

Q3: How much is 2 more than 11?

Q4: How much is 1 more than 7?

Q5: How much is 2 plus 20?

Part 3 - Missing Addend Word Problems

Q1: Once upon a time, there was an octopus named Joe. Like all octopuses, Joe had no bones, and he could squeeze through the smallest places. One day he decided to squeeze through a tiny vent hole in the side of a fishing boat. He pushed his head through, but his 8 legs were still dangling outside. If he pushed 1 leg through the hole, how many more legs did he still need to push in?

Q2: Imagine that he pushed in 6 legs, how many more legs did he still need to push in to get all 8?

Q3: And if he pushed in 3 legs, how many more did he have to push in?

Q4: What if he pushed in 5 legs, how many more legs did he still need to push in?

Q5: Finally, if he pushed in 2 legs, how many more legs did he still need to push in to get through?