



"Alexa, start Thinking Cap."

Thinking Cap Math

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

Addition with 7

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 7.
2. Addition of the numbers up to 19.
3. Solving word problems with decomposition of the number 7.

Part 1 - Missing Addend

Q1: How many does 4 need to make 7?

Q2: How many does 2 need to make 7?

Q3: How many does 6 need to make 7?

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Q4: How many does 1 need to make 7?

Q5: How many does 3 need to make 7?

Part 2 - Find the Sum

Q1: How much is 1 more than 12?

Q2: How much is 2 plus 7?

Q3: How much is 2 more than 9?

Q4: How much is 1 more than 10?

Q5: How much is 2 plus 2?

Part 3 - Missing Addend Word Problems

Q1: Once upon a time, Hansel and Gretel were walking home through the forest, following the breadcrumbs to track their way. Their parents lived 7 minutes away from the forest. If they already walked 3 minutes, how many more minutes did they have to walk before they arrived back home?

Q2: Now, what if they walked 5 minutes. How many more minutes did they still need to go, to reach 7?

Q3: And if they only walked 1 minute, how many minutes did they still need to go?

Q4: And if they walked 4, how many more minutes did they need to go?

Q5: Finally, if they already walked 6 minutes, how many more minutes did they still need to walk before they got home?

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