



"Alexa, start Thinking Cap."

# Thinking Cap Math

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

## Addition with 9

**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 9.
2. Addition of the numbers up to 27.
3. Solving word problems with decomposition of the number 9.

### Part 1 - Missing Addend

**Q1:** How many does 4 need to make 9?

**Q2:** How many does 2 need to make 9?

**Q3:** How many does 7 need to make 9?

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**Q4:** How many does 3 need to make 9?

**Q5** How many does 5 need to make 9?

## Part 2 - Find the Sum

**Q1:** How much is 2 more than 23?

**Q2:** How much is 2 plus 16?

**Q3:** How much is 2 more than 13?

**Q4:** How much is 1 more than 18?

**Q5:** How much is 2 plus 21?

## Part 3 - Missing Addend Word Problems

**Q1:** Mister Geppetto was always very strict about observing bed time. Every night he insisted that Pinocchio goes to bed exactly at 9 o'clock. If it is 5 o'clock in the afternoon, how many hours does Pinocchio still have to play before he has to go to bed?

**Q2:** And if it is only 2 o'clock in the afternoon, how many hours does Pinocchio still have to play before it is 9?

**Q3:** And if it is 6 o'clock, how many hours does Pinocchio still have to play outside?

**Q4:** If it is 4 o'clock, how many hours does Pinocchio still have to finish his game of hide and seek?

**Q5:** And finally, if it is 7 o'clock, how many hours does Pinocchio still have before he must say goodnight to his friends the fox and cat?

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