



"Alexa, start Thinking Cap."

# Thinking Cap Math

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

## Multiplication by 3

**Standards:** CCSS.Math: 3.OA.A.4, 3.OA.C.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. Basic multiplication by 3.
2. Finding missing factors in multiplication by 3.
3. Solving word problems with multiplication by 3.

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Available on Alexa devices, and on Amazon Alexa app for mobile phone or tablet

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## Part 1 - Basic Multiplication

- Q1:** How much is 3 times 6?
- Q2:** How much is 3 times 3?
- Q3:** How much is 7 times 3?
- Q4:** How much is 3 times 9?

## Part 2 - Finding Missing Factors

- Q1:** What number would you multiply by 3 to get 9?
- Q2:** How many 3s make the number 18?
- Q3:** How many 3s are in the number 27?
- Q4:** How many multiples of 3 make 12?

## Part 3 - Word Problems

- Q1:** Once upon a time, there were three little pigs. One day, they met a farmer with a load of hay. If the farmer gave every pig 5 bales of hay, how many bales of hay would that be?
- Q2:** If the farmer gave every pig 7 carrots, how many carrots would there be?
- Q3:** If the farmer gave every pig 6 lollipops, how many lollipops would the pigs have in all?
- Q4:** If the farmer gave every pig 3 toothbrushes, how many toothbrushes would that be?

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