## Byte-Sized Brain Break
### Logic Activity

My peach tree is either a baby plant or a full grown plant. If a peach tree is just a baby plant, it won't produce any fruit. I made a peach pie yesterday for my mom. If my peach tree doesn't produce fruit, I won't have any fruit to make pie. Is my peach tree a baby plant or full grown plant?

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## Byte-Sized Brain Break
### Logic Activity

Choose a bowl, pen, or other object in your home. Write a description for your chosen object so anyone who reads your description can find that exact object. Give your description to someone else and see how close they get! Can you do it in 5 words? 3 words? 1 word?

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## Byte-Sized Brain Break
### Logic Activity

There are three boxes in a row with labels on them. At least one of the boxes has a cake inside.

- Right box: The box in the middle has the cake.
- Middle box: All of the boxes have cake inside.
- Left box: Only one of the boxes has cake inside.

If all of the labels are lying, which box(es) have cake inside?

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## Byte-Sized Brain Break
### Logic Activity

Have a friend or family member create a pretend password using only 4 letters.. Try to guess their password, and have them tell you when you're close. How many guesses did it take to get close? How many guesses did it take to get it all right?
Try it again, but this time have them use 4 letters and numbers. How many guesses did it take? Which kind of password is harder to guess, just letters or both?

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## Byte-Sized Brain Break
### Logic Activity

Different data types store different kinds of information. An "int" can hold any integer value, and a "double" is good for storing numbers that might include a decimal. Which data type would be good for storing money? What about number of people? What else do we use numbers to represent, and which data type makes the most sense for each?
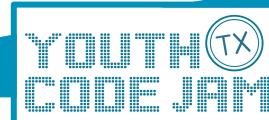
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## Byte-Sized Brain Break
### Logic Activity

A knight always tells the truth, and a knave always lies. Sal and Mel are each either a knight or a knave. Sal says "Mel is a knave". Mel says "We are both knights". Is Sal a knight or knave? What about Mel?

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## Byte-Sized Brain Break
### Logic Activity

I am one of the colors in the rainbow. I'm not next to green, I'm not next to red, and I'm not next to violet. I'm also not one of the colors on the edge. What color am I?

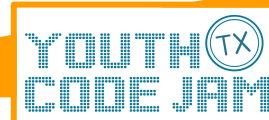Share with us using the hashtag **#wecanjam**

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## Byte-Sized Brain Break
### Logic Activity

Create your own coding-inspired activity!
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