

## Representing Important Information

Carter is 12 years old and Jordan is 6 years old.

They have a chocolate bar with 18 segments. They decide that because they are not the same age, they should not share the bar equally. Instead, they decide on a rule: They should get amounts of chocolate in the same ratio as their ages.

According to their ages, Carter gets 12 segments and Jordan gets 6 segments. The ratio of the siblings' shares of the chocolate bar, 12 to 6, is equivalent to the ratio of their ages, 12 to 6.

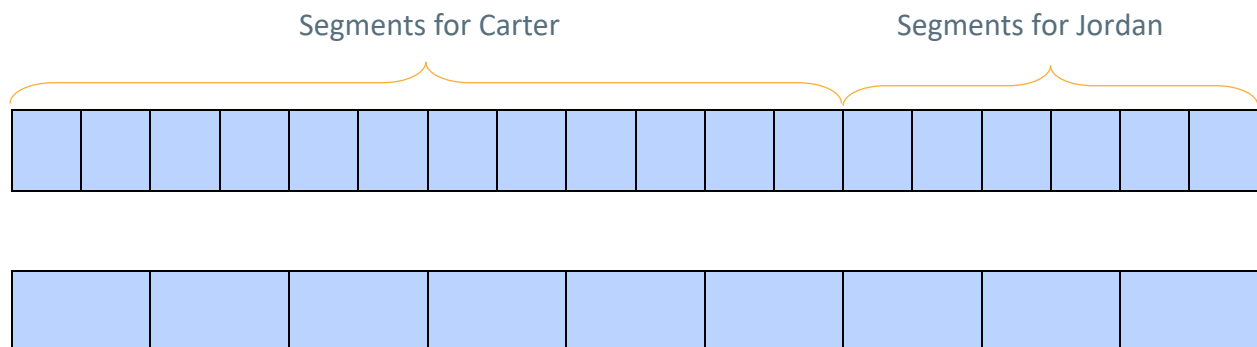
According to their rule, how would Carter and Jordan share a nine-segment chocolate bar?

**Important information from the problem:**

### Representations of the problem

- How do each of these representations show the important information you listed?
- What could you add to show additional important information?

### Picture



### Table

|                            |    |  |
|----------------------------|----|--|
| <b>Segments for Carter</b> | 12 |  |
| <b>Segments for Jordan</b> | 6  |  |

Jayden's class is going on a trip. Jayden wants to make snack packs to take on the trip.

Jayden has 24 apples and 36 small bags of trail mix. Each snack pack must have the same number of apples and the same number of bags of trail mix.

- What are the possible numbers of snack packs Jayden can make so that the treats are shared equally? Describe each possibility.

**Create a representation of the important information in this problem:**