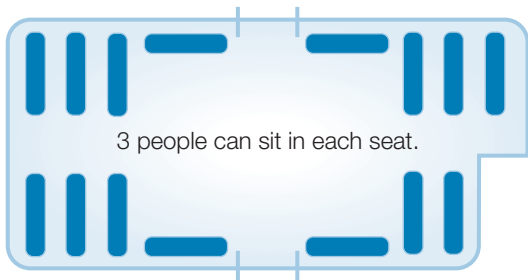


Train Teasers

You need ✓ counters (optional) ✓ a classmate

Activity

Tama's family are living in Japan for a year. Tama and his dad take the commuter train each day to get to school and work. This is a diagram of one of the carriages on the train:



1. How many people can sit down in the carriage?
Can you break up 3×15 ?
2. At peak times, there are not enough seats and some people have to stand. The carriage is allowed to have the same number of people standing as sitting. What is the largest number of people the carriage can carry?
3. The commuter train that Tama and his dad catch in the morning has 5 identical carriages. If all the seats in the 5 carriages are occupied, how many people are seated on the train?
4.
 - a. One quiet day, there are only 40 people in Tama's carriage when the train leaves his station. At each stop after that, the same number of people get off. After 8 stops, the carriage is empty. How many people got off at each stop?
 - b. Discuss with a classmate how you got your answer.

I started by using 40 counters.



I used my times tables.



5. Make up a train and carriage problem for your classmate to solve.