## Lesson 12: Lots and Lots of Garbage

* Let’s investigate what happens to garbage.

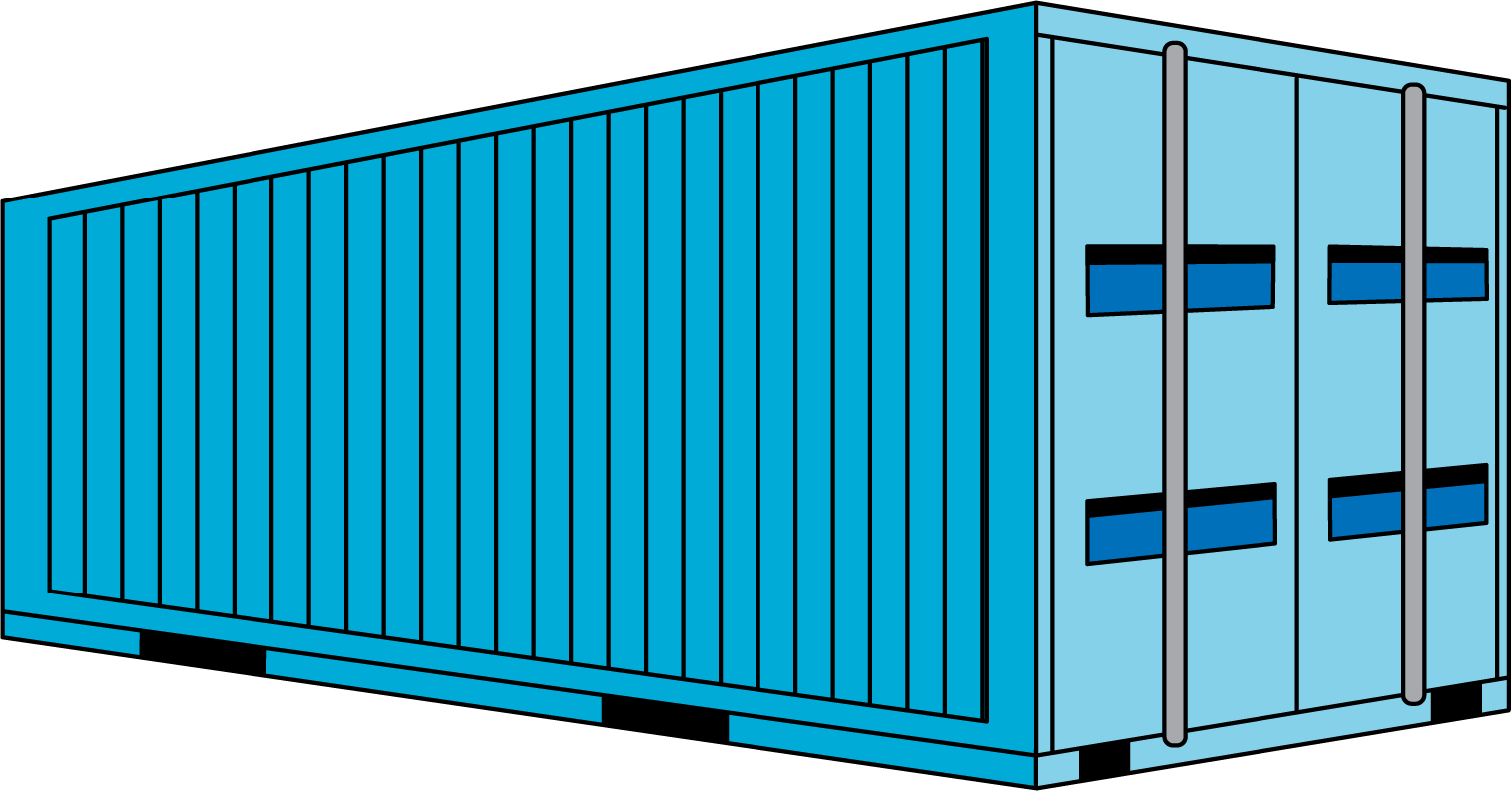
### Warm-up: Notice and Wonder: Garbage Truck

What do you notice? What do you wonder?



### 12.1: 60 Containers

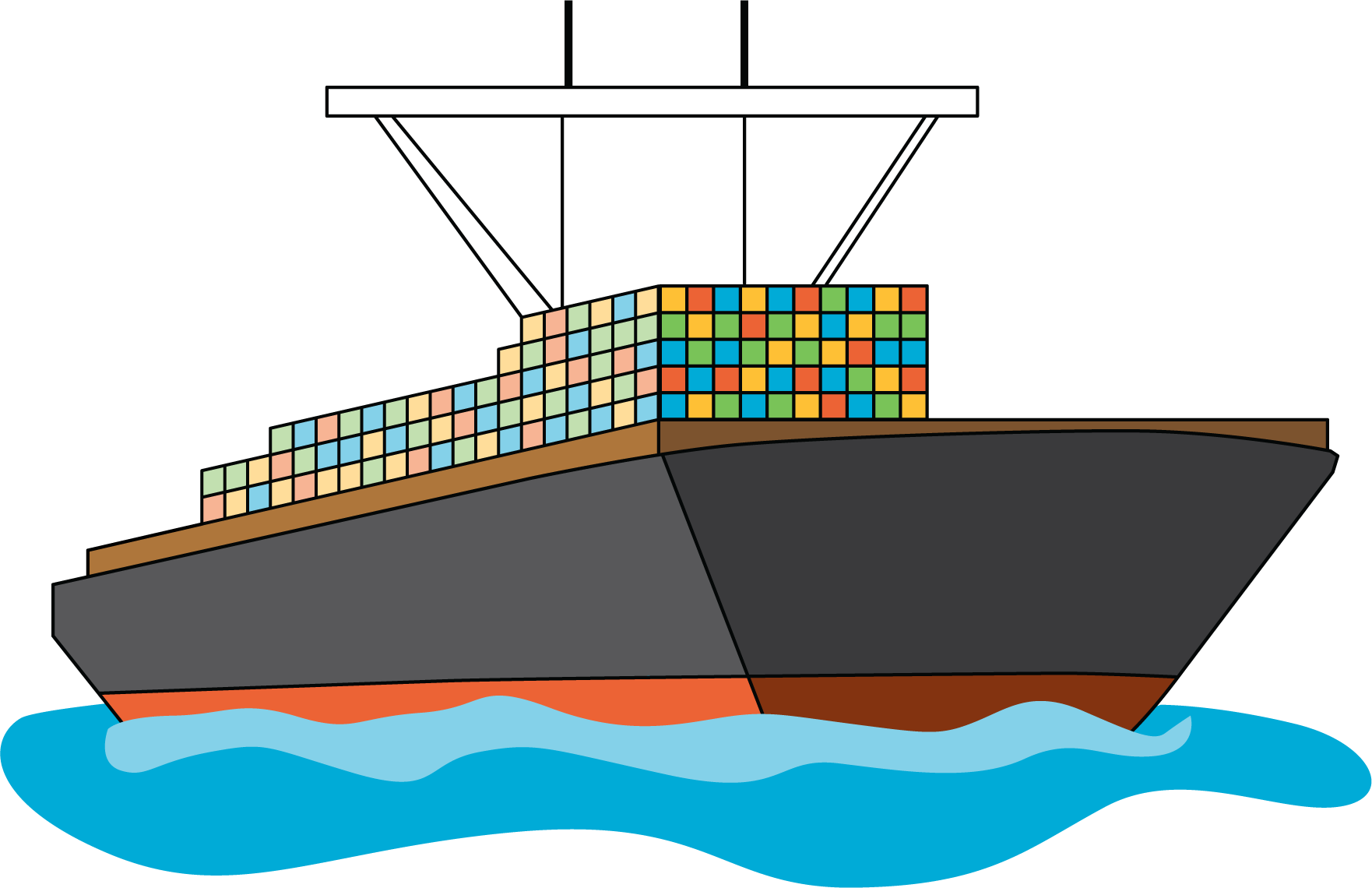
1. Find at least 5 different ways to arrange 60 containers. Represent each arrangement with an expression.

* 

1. Create a visual display to show which is the best arrangement for shipping the 3,300 tons of garbage.

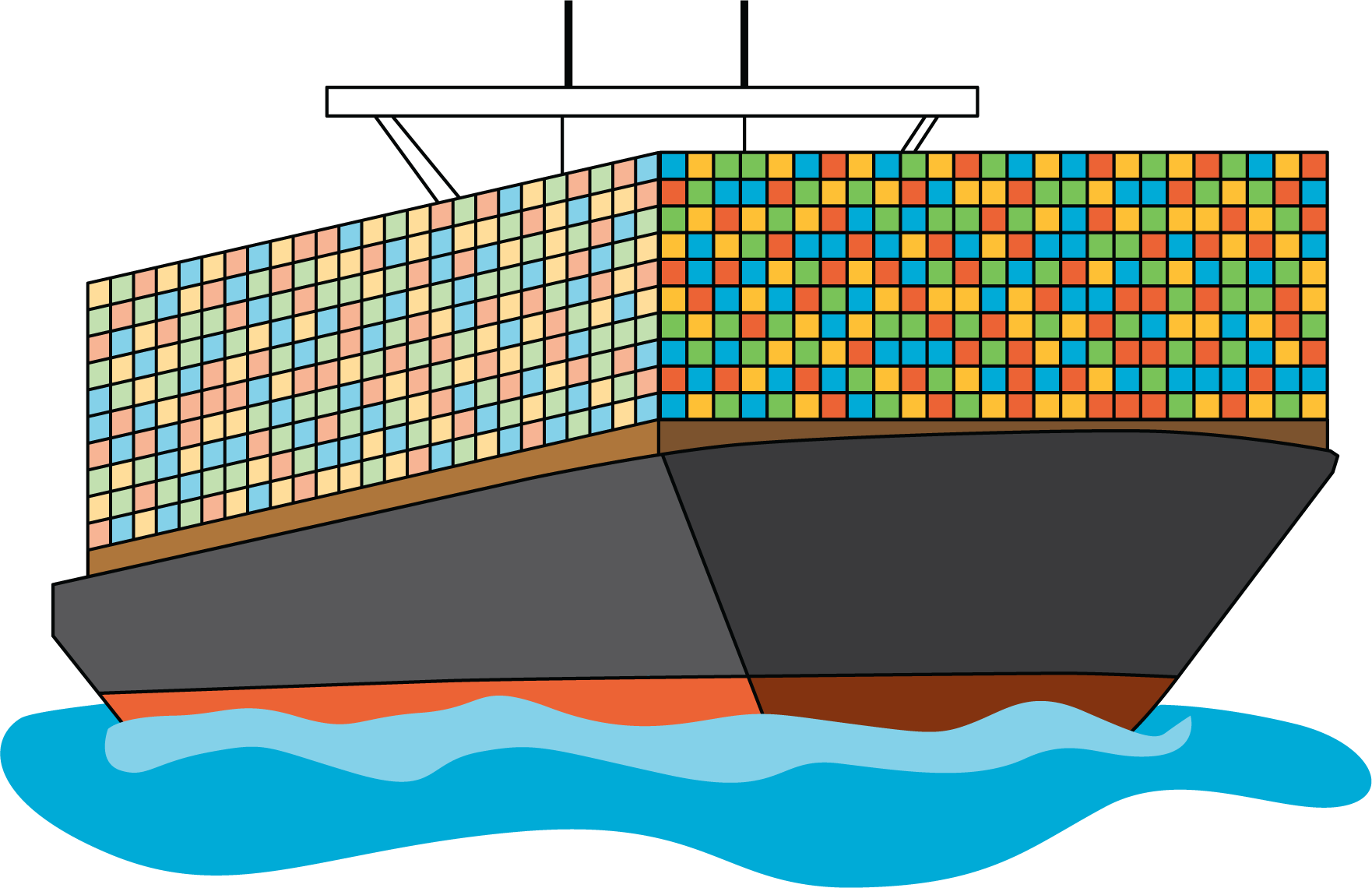
### 12.2: How Many Containers on the Ship?

1. How many containers are on the cargo ship?

* 
* Record an estimate that is:

|  |  |  |
| --- | --- | --- |
| * too low | * about right | * too high |
|  |  |  |

1. How many containers are on the cargo ship?

* 
* Record an estimate that is:

|  |  |  |
| --- | --- | --- |
| * too low | * about right | * too high |
|  |  |  |

1. What assumptions were you making when you came up with your estimates?



© CC BY 2021 Illustrative Mathematics®