## 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
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 | * too high
 |
| * $$
 | * $$
 | * $$
 |

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



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