## Lesson 14: Estimation Exploration

* Let’s create an Estimation Exploration activity.

### Warm-up: Estimation Exploration: Fractional Measurement

What is the length of this earthworm?



Record an estimate that is:

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

### 14.1: Design Your Estimation Exploration

1. Find an object or an image that would make an interesting estimation problem. Write a question that would encourage others to answer with a length estimated to the nearest half or fourth of an inch.
2. Think about possible estimates others might make for the length of the object or image.

* Record an estimate that is:

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

1. Measure the length of the object or image to make sure your estimates make sense. If needed, revise your estimates.

### 14.2: Facilitate Your Estimation Exploration

1. Display your image for your classmates.
2. Ask them, “What is an estimate that’s too high? Too low? About right?”
3. Give them a minute of quiet think time.
4. Give them a minute to discuss together.
5. Ask them to share their estimates.
6. Record their ideas.



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