



Estimation Exploration

Let's create an "Estimation Exploration" routine.

Warm-up

Estimation Exploration: Fractional Measurement

What is the length of this earthworm?



Record an estimate that is:

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

Activity 1

Design Your "Estimation Exploration"

1. Find an object or an image that would make an interesting length 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 estimates others might make for the length of the object or image.

Record an estimate that is:

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

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

Activity 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 your classmates 1 minute of quiet think time.
4. Give them 1 minute to discuss together.
5. Ask them to share their estimates.
6. Record their ideas.