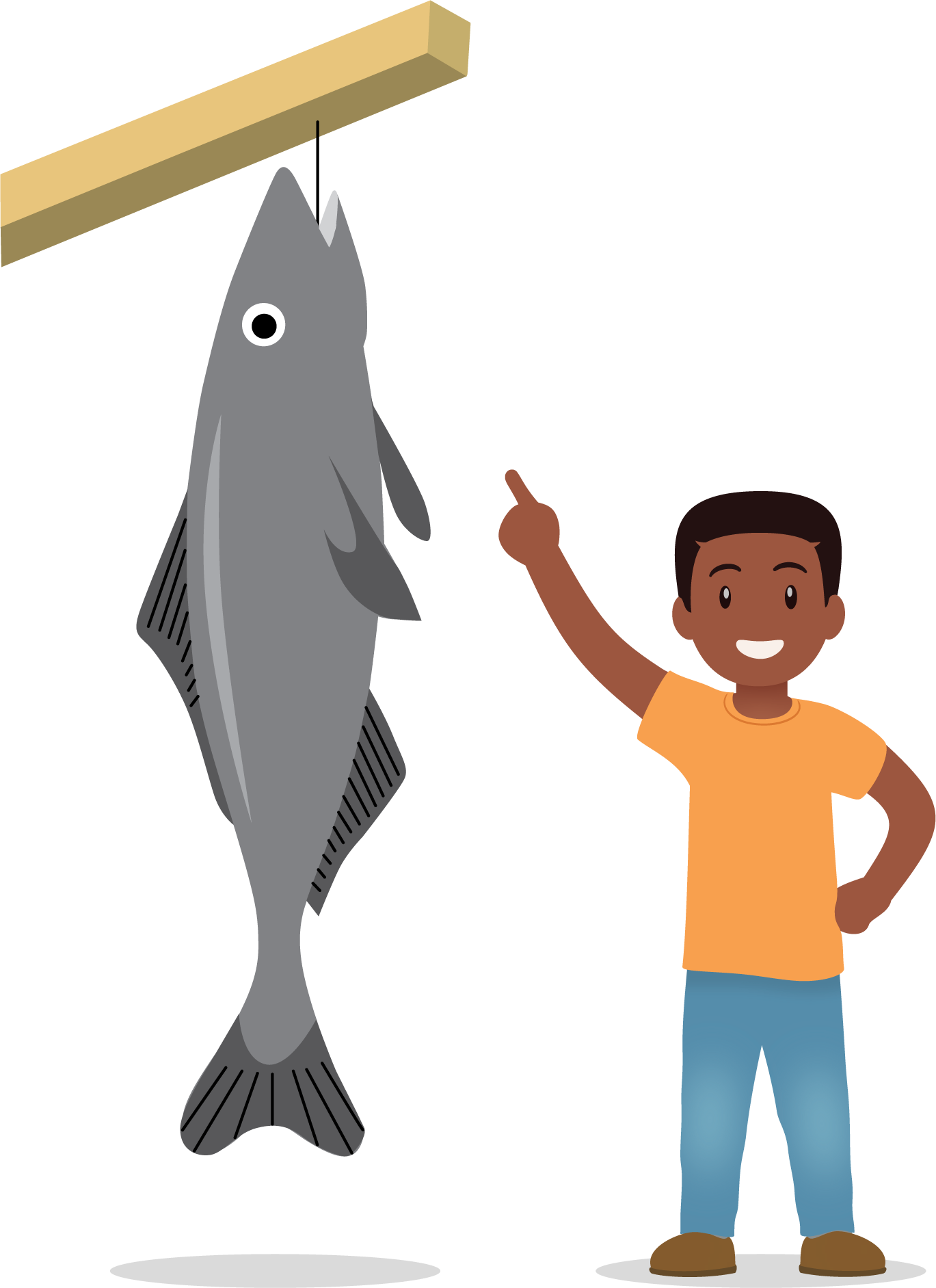
## Lesson 9: From Feet to Inches

* Let’s measure longer lengths with customary units.

### Warm-up: Estimation Exploration: Small Fry, Big Fish

How long is this Cobia fish in inches?



1. Record an estimate that is:

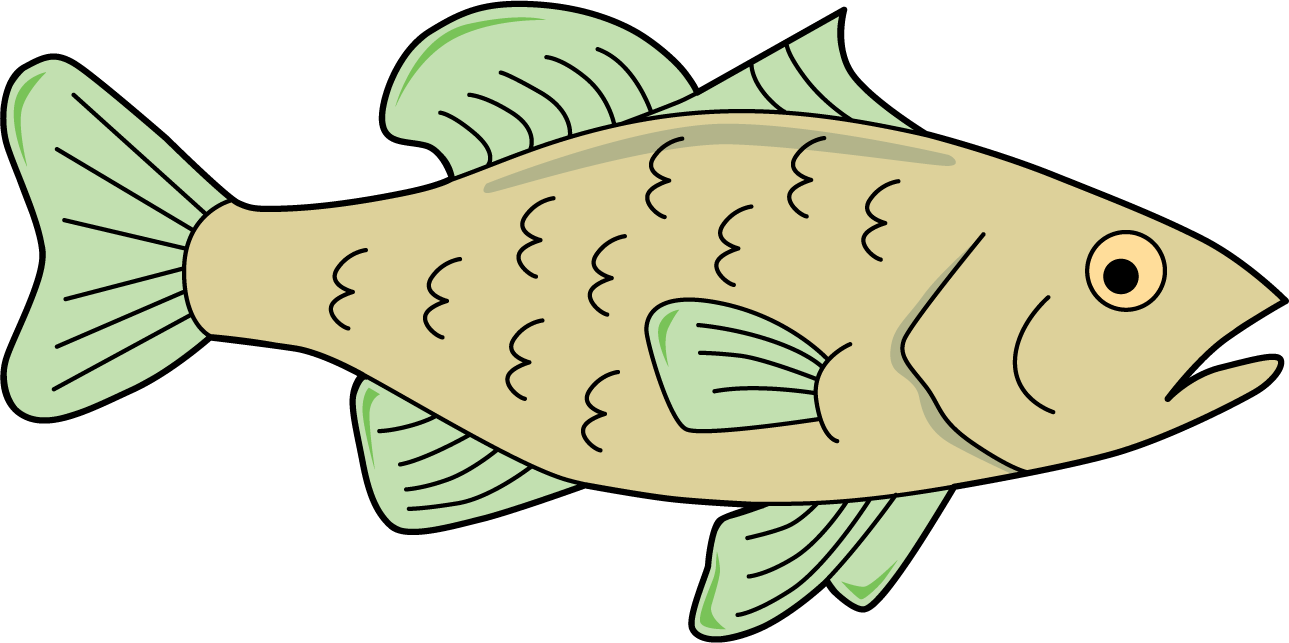
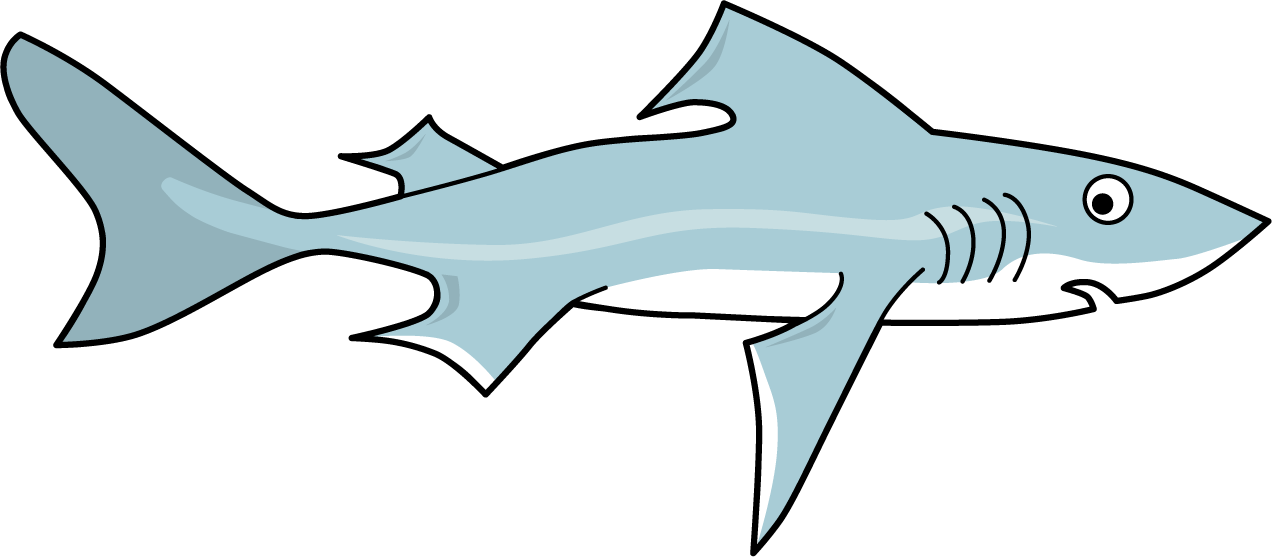
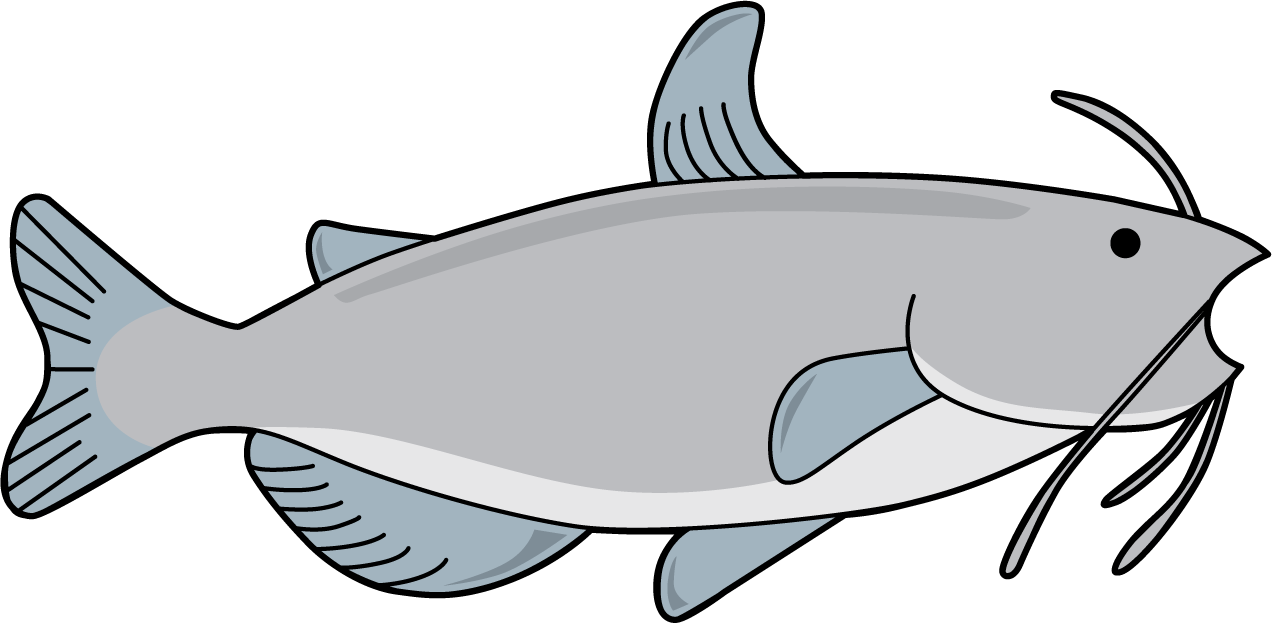
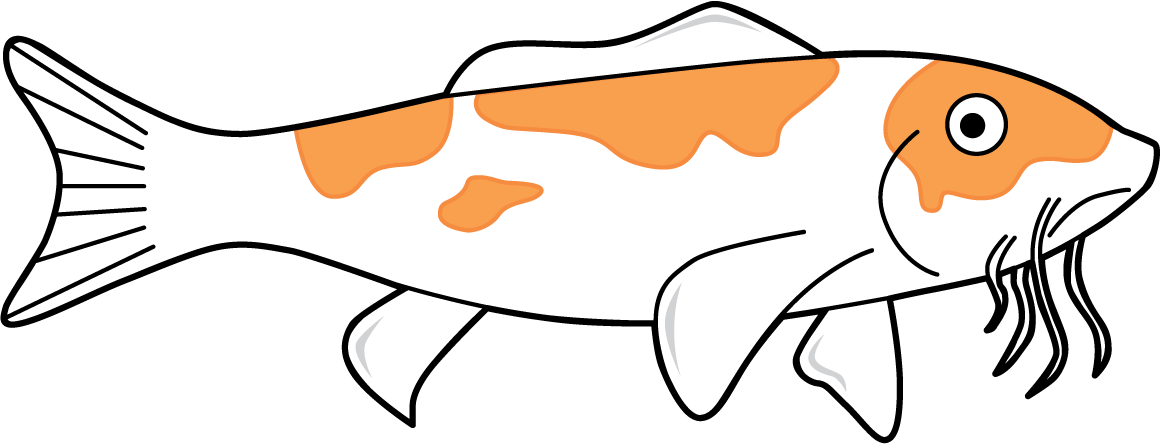
| * too low | * about right | * too high |
| --- | --- | --- |
|  |  |  |

1. Record an estimate that is:

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

### 9.1: Measure the Length of Fish

1. Work with your group to measure the tape strips around the classroom in feet. Then measure the length in inches.

* Tape A
* largemouth bass
* 
* Length in feet: \_\_\_\_\_\_\_\_\_\_
* Length in inches: \_\_\_\_\_\_\_\_\_\_
* Tape B
* spiny dogfish shark
* 
* Length in feet: \_\_\_\_\_\_\_\_\_\_
* Length in inches: \_\_\_\_\_\_\_\_\_\_
* Tape C
* catfish
* 
* Length in feet: \_\_\_\_\_\_\_\_\_\_
* Length in inches: \_\_\_\_\_\_\_\_\_\_
* Tape D
* koi
* 
* Length in feet: \_\_\_\_\_\_\_\_\_\_
* Length in inches: \_\_\_\_\_\_\_\_\_\_

1. What did you notice about the number of feet compared to the number of inches when you measured the tape strips?

### 9.2: Inches or Feet?

1. Estimate the length of objects around the room. Say if you will measure in inches or feet.

| * object to measure | * my estimate | * circle inches or feet |
| --- | --- | --- |
|  |  | * **inches** * **feet** |
|  |  | * **inches** * **feet** |
|  |  | * **inches** * **feet** |
|  |  | * **inches** * **feet** |

1. Choose the best tool to measure each object. Complete the table to record your actual measurements.

| object to measure | measurement tool | actual length (include unit) |
| --- | --- | --- |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |



© CC BY 2021 Illustrative Mathematics®