Grade 2  
Unit 3Lesson 9CC BY NC 2024 Illustrative Mathematics®

Unit 3, Lesson 9

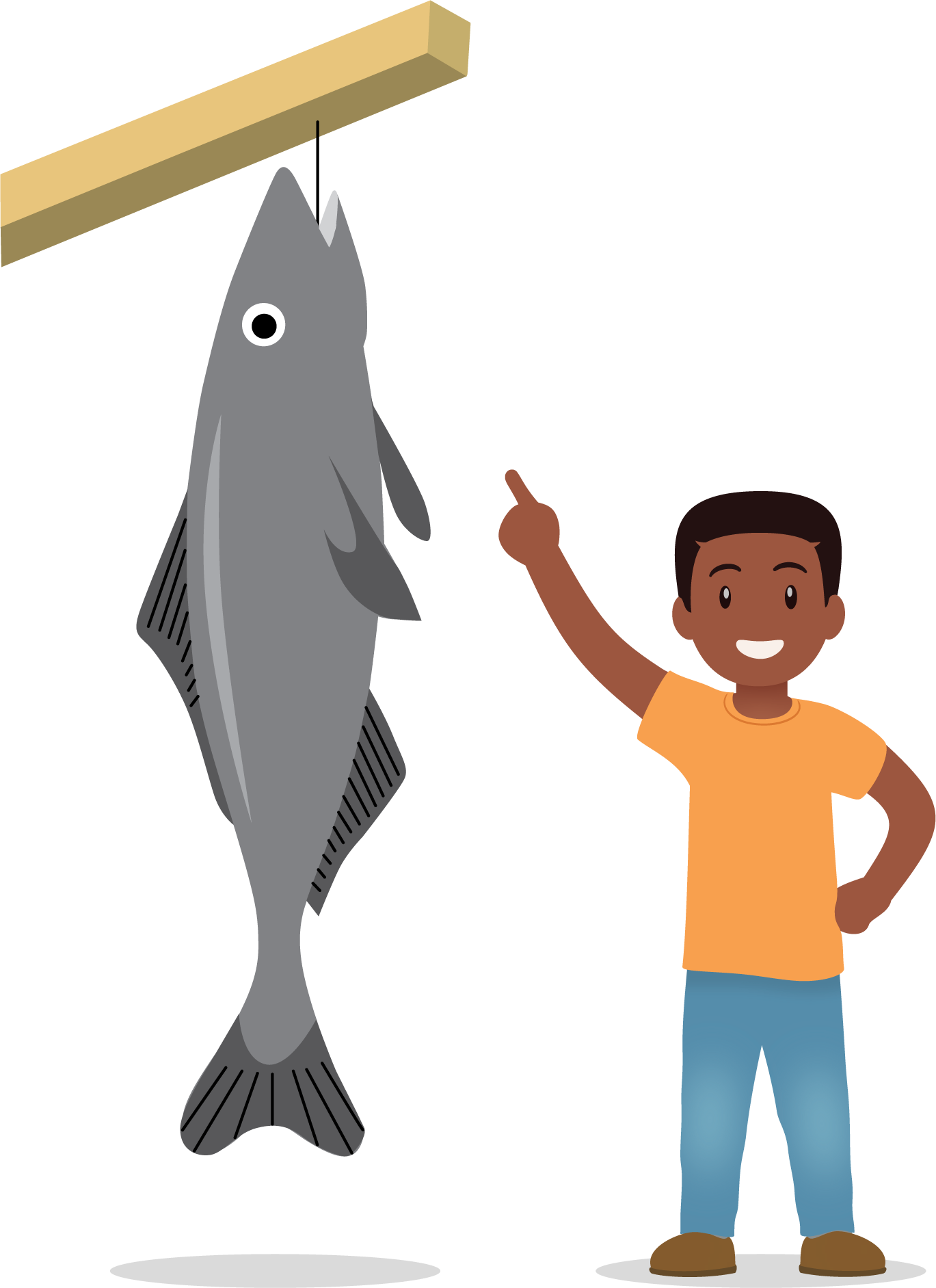
# From Feet to Inches

* Let’s measure longer lengths with U.S. units.

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## Warm-upEstimation Exploration: Small Fry, Big Fish

How long is this cobia fish? Use inches.



1. Record an estimate that is:

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

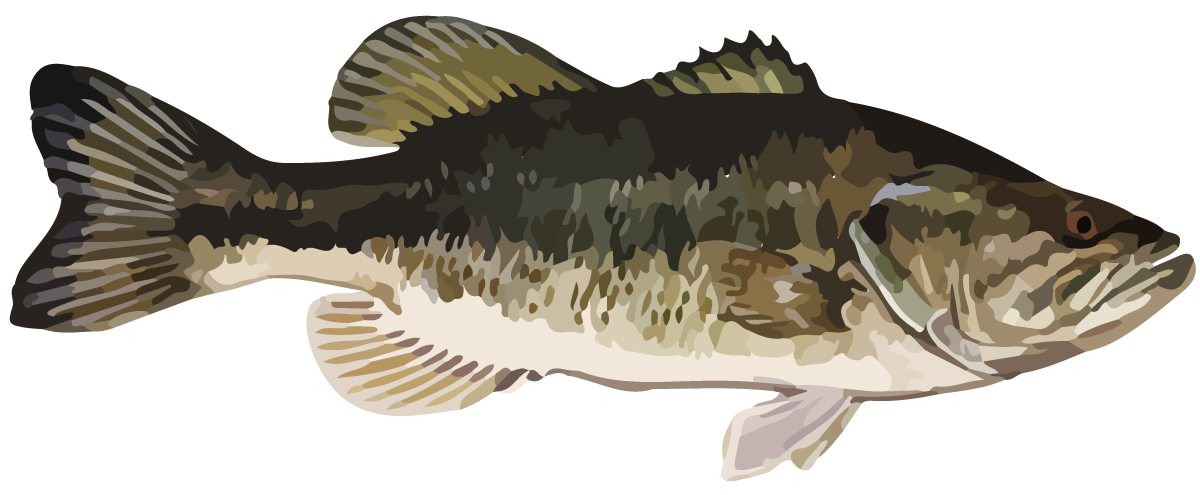
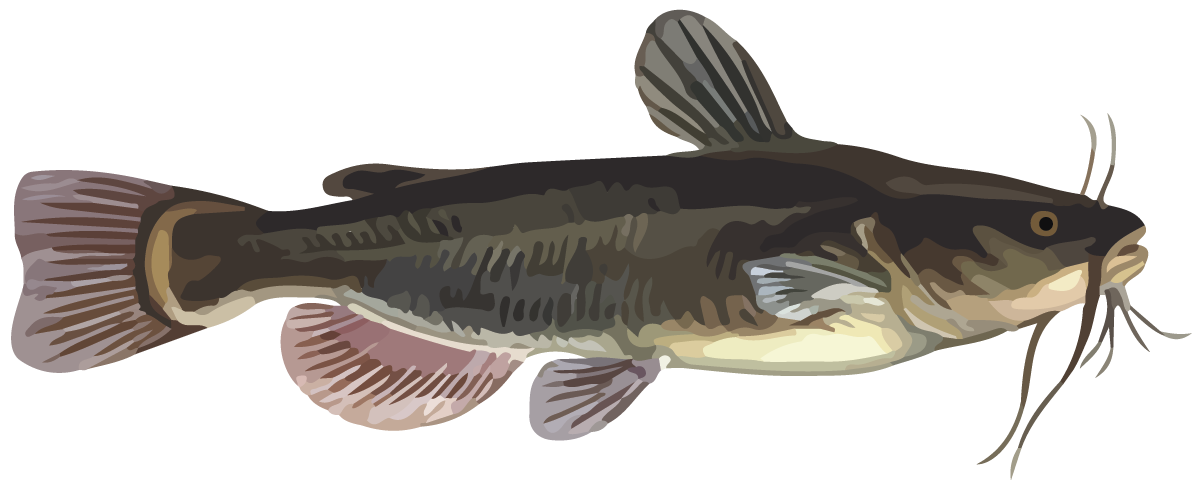
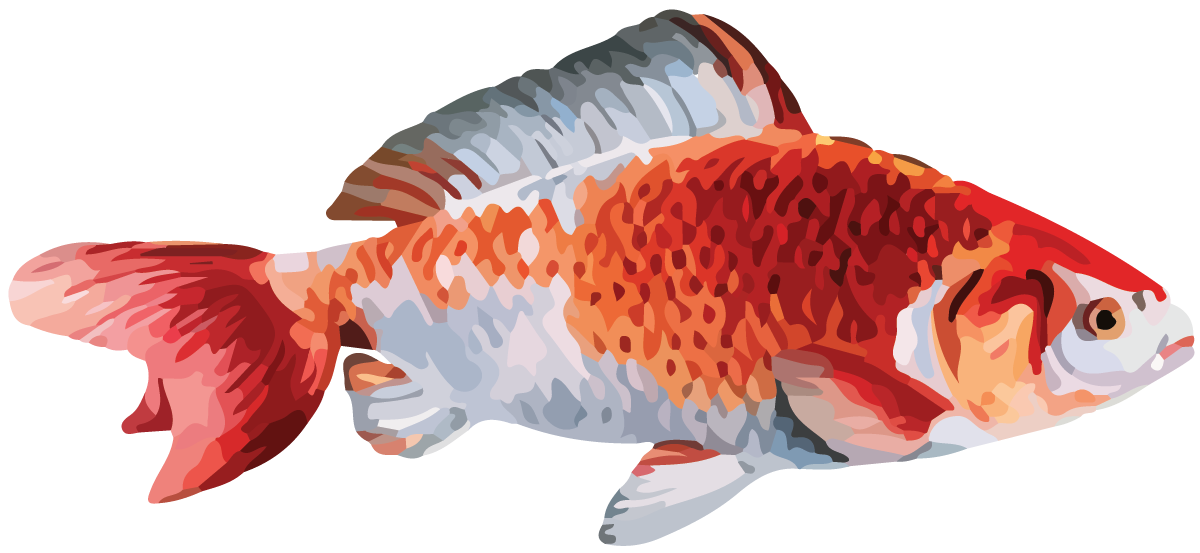
1. Record an estimate that is:

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

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## Activity 1Measure the Length of Fish

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

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

1. What do you notice about the number of feet compared to the number of inches?

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## Activity 2Inches or Feet?

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

| * 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. Record your measurements.

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