**1.2 Imperial Measurement**

**FOM 10 September 14, 2020**

Goal

* Providing referents for linear measurement
* Describing a strategy for taking linear measurement
* Solving problems that involve linear measurements using instruments
* Estimating linear measurements



Vocabulary

1. Imperial System

Imperial Table

**1 foot (ft) = \_\_\_\_\_\_\_\_\_ inches**

**1 yard (yd) = \_\_\_\_\_\_\_\_ feet or \_\_\_\_\_\_\_\_ inches**

**1 mile (mi) = \_\_\_\_\_\_\_\_ yards or \_\_\_\_\_\_\_\_ feet**

**1 Inch = \_\_\_\_\_\_\_\_\_\_ cm**

Examples

1. How many inches in 3 ½ yards?
2. How many miles are in 12 640 feet?
3. This photograph shows a polar bear near Churchill, MB. The scale of the photograph is 1:35.
	1. Calculate the height of the bears back to the nearest inch.
	2. What is the length of the bear? State your answer in feet and whole inches.



1. Carson wants to buy a 32” computer screen for his insane gaming habit. The size of a screen is measured diagonally. He is choosing between a 4:3 screen 4K television set, or a 16:9 HDTV. To help him decide, calculate she screen dimensions and the viewing area for each television. Which screen has a greater viewing area?

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1. Kate wants to make a drum, or qilaut, that resembles one used by a drum dancer in Iqaluit, NU. She has a circular frame, over which to stretch elk skin. Then, she will lash it into place along the frame with sinew. Kate uses 3 ½ inches of sinew for each inch of the frame.
	1. Estimate the diameter of the drum frame in imperial units. The scale of the drum is 1:15. The plans Kate drew has the drum at 1 inch in diameter.
	2. Approximately what length of sinew does Kate need to make the drum? State your answer in yards and inches

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