



Math Virtual Learning

4th Grade Measurements

Customary: Length

April 6, 2020



4th Grade Math

Lesson: April 6, 2020

Learning Target:

Students will convert length measurements from larger units to smaller units using the customary system.

Background:

- Students learn to convert from yards to feet
- Students learn to convert from feet to inches
- Students learn to choose best unit of measurement for a variety of objects

Let's Get Started:

Watch Videos:

1. [Inches, Feet, and Yards Song](#)
2. [Feet to Inches](#): Khan Instructional Video

Remember!

1 yard = 3 feet
1 foot = 12 inches

Practice #1: Feet to Inches and Yards to Feet

3 Feet = _____ Inches

1. There are 12 inches in one foot.
2. You need to find 3 sets of 12, In order to solve for the number of total inches, you would need to multiply the number of feet by 12.
3. $3 \times 12 = 36$

3 Feet = 36 Inches

4 Yards = _____ Feet

1. There are 3 feet in one yard.
2. Four yards is four sets of 3 feet. In order to solve for the number of total feet, you would need to multiply the number of yards by 3.
3. $4 \times 3 = 12$

4 Yards = 12 Feet

Remember!

1 yard = 3 feet
1 foot = 12 inches

Practice #2: Feet to Inches and Yards to Feet

1. 2 Feet = _____ Inches
2. 5 Feet = _____ Inches
3. 3 Yards = _____ Feet
4. 6 Yards = _____ Feet

Remember!

1 yard = 3 feet
1 foot = 12
inches

Practice #3: Inches, Feet, or Yards?

Which unit would be best in order to measure the following objects? Inches, feet or yards?

1. A book? _____
2. A couch? _____
3. A desk? _____
4. A football field? _____
5. The height of someone? _____
6. A pencil? _____

Practice on your own:

1. Click on the screen below.
2. Practice converting between inches, feet and yards.
3. Drag the red arrow to the correct distance.
4. Check if you're correct.

↓ Click Here ↓

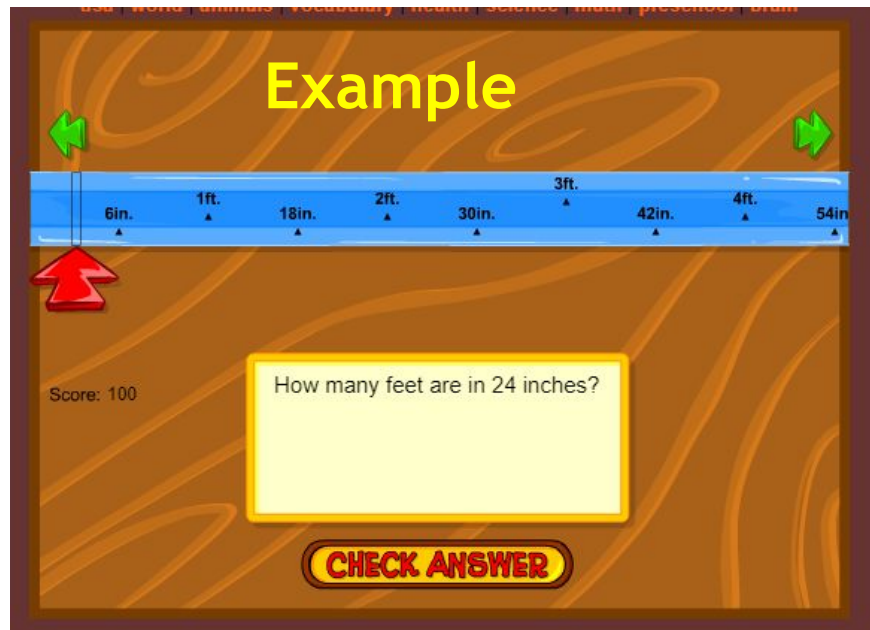


Measurement Mania

INSTRUCTIONS:
Drag the pointer to the position on the ruler that corresponds to the correct answer.
Click on the green arrows for more options.

PLAY

copyright 2015 Sheppard Software



Example

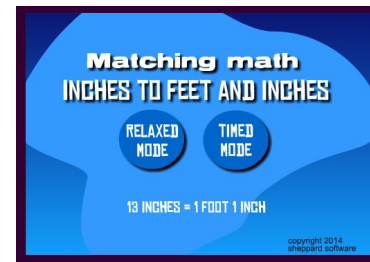
6in. 1ft. 18in. 2ft. 30in. 3ft. 42in. 4ft. 54in.

Score: 100

How many feet are in 24 inches?

CHECK ANSWER

MORE Practice on your own: Go to this website: [Matching Math](#)



This game will help you convert from inches to feet and back,

1. Click on the icon on the top right of this page.
2. Choose Relaxed or Timed Mode
3. Select the matching pairs of lengths.
4. The more levels you go up, the more challenging the matches become!
5. Enjoy and learn!

Match the correct conversions.

1 FOOT 1 INCH	1 FOOT
13 INCHES	1 FOOT 2 INCHES
14 INCHES	12 INCHES

LEVEL
1

SCORE
200

CORRECT PAIRS
2

MISSES
0

Practice:

Complete this page in your packet.

Customary Length Conversions

Convert Yards to Feet

- | | |
|---------------------|---------------------|
| 1) 3 Yards = _____ | 6) 6 Yards = _____ |
| 2) 7 Yards = _____ | 7) 12 Yards = _____ |
| 3) 1 Yard = _____ | 8) 2 Yards = _____ |
| 4) 8 Yards = _____ | 9) 15 Yards = _____ |
| 5) 14 Yards = _____ | 10) 9 Yards = _____ |

11a) Jenny has 4 yards of fabric, but a customer wants to know how many feet of fabric she has. How many feet of fabric does she have? _____

11b) The customer wants to buy 5 feet of fabric. How many feet will Jenny have after she sells the fabric? _____

Convert Feet to Inches

- | | |
|--------------------|----------------------|
| 1) 3 Feet = _____ | 6) 2 Feet = _____ |
| 2) 1 Foot = _____ | 7) 6 Feet = _____ |
| 3) 10 Feet = _____ | 8) 9 Feet = _____ |
| 4) 5 Feet = _____ | 9) 11 Feet = _____ |
| 5) 14 Feet = _____ | 10) 100 Feet = _____ |

11a) Mr. Griffin is exactly 6 feet tall! How many inches tall is Mr. Griffin?

11b) Mrs. Griffin is 53 inches tall. How much taller is Mr. Griffin than Mrs. Griffin? _____

Click here to open worksheet.



Self Check:

Go tell someone in your home your answers.



1. Was this lesson?

- easy,
- just right
- hard

2. Find some objects in your house and decide what the best unit of measurement would be.