

MY Homework

Lesson 2

Convert Customary Units of Length

Homework Helper



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Andrew lives 2 miles from the school. How many feet from the school does Andrew live?

To convert miles to feet, multiply the number of miles measured by the number of feet in 1 mile. You know that 1 mile = 5,280 feet.

$$\begin{array}{r} 1 \\ 5,280 \\ \times \quad 2 \\ \hline 10,560 \end{array} \longrightarrow 2 \text{ miles} = 10,560 \text{ feet}$$

So, Andrew lives 10,560 feet from the school.

Customary Units of Length

1 foot (ft) = 12 inches (in.)

1 yard (yd) = 3 feet (ft)

1 **mile (mi)** = 5,280 feet (ft)

Conversion table

miles (mi)	feet (ft)	(mi, ft)
2	10,560	(2, 10,560)
4	21,120	(4, 21,120)
6	31,680	(6, 31,680)
8	42,240	(8, 42,240)

Practice

Convert units to complete each equation.

1. 3 ft = _____ in.

2. $6\frac{1}{2}$ ft = _____ in.

3. 4 yd = _____ in.

4. 760 yd = _____ ft

5. 7 ft = _____ in.

6. 3 yd = _____ in.

7. $2\frac{1}{3}$ yd = _____ ft

8. 5 ft = _____ in.

9. 64 ft = _____ in.

10. _____ in. = 3 yd

11. _____ ft = 7 yd

12. $12\frac{1}{2}$ ft = _____ in.

Draw lines to match the equivalent lengths.

- | | |
|-------------|-----------|
| 13. 24 ft | • 60 ft |
| 14. 120 in. | • 72 in. |
| 15. 2 yd | • 180 in. |
| 16. 5 yd | • 8 yd |
| 17. 20 yd | • 10 ft |



Problem Solving

- 18. Mathematical PRACTICE 5 Use Math Tools** The Millers' house is 25 yards from Mrs. Shapiro's house. How many feet apart are the two houses?

- 19.** Kate walks half a mile to the library. How many yards does she walk?

- 20.** Pe Ling needs 2 yards of fabric for a craft project. She has 3 feet already. How many inches of fabric does she still need?

Vocabulary Check



Write a vocabulary term in the correct space to complete each sentence.

convert

mile

- 21.** One _____ equals 5,280 feet.
- 22.** To _____ from feet to inches, multiply by 12.

Test Practice

- 23.** Matthew is 2 yards tall. How many inches tall is he?

- | | |
|---------------|---------------|
| (A) 74 inches | (C) 64 inches |
| (B) 72 inches | (D) 60 inches |