## Customary Units of Length

$$
\begin{aligned}
12 \text { inches }(\text { in. }) & =1 \text { foot }(\mathrm{ft}) \\
3 \text { feet } & =1 \text { yard }(\mathrm{yd}) \\
5,280 \text { feet } & =1 \text { mile }(\mathrm{mi}) \\
1,760 \text { yards } & =1 \text { mile }
\end{aligned}
$$

How many feet are in 288 inches?

Remember: Divide to change from a smaller to a larger unit.

$$
\begin{aligned}
288 \mathrm{in} . & =\square \mathrm{ft} \\
288 \div 12 & =24 \\
288 \mathrm{in} . & =24 \mathrm{ft}
\end{aligned}
$$

How many feet are in 4 yards 2 feet?

Remember: Multiply to change from a larger to a smaller unit.

$$
\begin{aligned}
4 \mathrm{yd} 2 \mathrm{ft} & =\square \mathrm{ft} \\
4 \times 3 & =12 \\
12 \mathrm{ft}+2 \mathrm{ft} & =14 \mathrm{ft}
\end{aligned}
$$

## Complete.

1. $\qquad$ $\mathrm{ft}=6 \mathrm{yd}$
2. $3 \mathrm{mi}=\ldots \mathrm{ft}$
3. $24 \mathrm{yd}=$ $\qquad$ ft
4. $114 \mathrm{in} .=$ $\qquad$ ft $\qquad$ in.
5. $8,000 \mathrm{ft}=$ $\qquad$ mi $\qquad$ ft 6. $180 \mathrm{in} .=\ldots \quad \mathrm{ft}$

Compare. Write $>,<$, or $=$ for each $\bigcirc$.
7. $6 \mathrm{ft} \bigcirc 72 \mathrm{in}$.
8. 150 in.
15 ft
9. $2 \mathrm{mi} \bigcirc 10,000 \mathrm{ft}$

Which unit would you use to measure each? Write inch, foot, yard, or mile.
10. the length of a puppy $\qquad$ 11. the length of a soccer field $\qquad$
12. the width of your state $\qquad$ 13. the height of a van $\qquad$

## Problem Solving

14. Gayle has 5 yd 2 ft of wire. Mae has 204 in. of wire. Who has more wire? Explain how you found your answer.

## Show Your Work

