

Name _____

The Carpenter's Challenge

Conversion Key

1 foot (ft) = 12 inches (in)

1 yard (yd) = 3 feet (ft)

1 mile (mi) = 5280 feet (ft)

1 yard (yd) = 36 inches (in)

Directions: You're helping a master carpenter measure wood, walls, and blueprints for construction projects. Use the key above to complete each conversion. Round to **two decimal places** if needed.

A. Basic Conversions

1. A wooden plank is **72 inches** long. How many **feet** long is it? _____
2. The shop table is **3 yards** wide. How many **inches** wide is that? _____
3. A tool rack measures **5 feet** in height. Convert this to **inches**. _____
4. A workbench is **8 feet** long. How many **yards** long is that? _____

B. Construction Zone Problems

5. The carpenter walks **1,056 feet** across a large workshop site. How many **yards** did he walk? _____
6. A garden fence measures **132 feet** long. How many **yards** of fencing is that? _____
7. A rural driveway is **0.25 miles** long. How many **feet** long is it? _____
8. A boardwalk stretches **1,760 yards**. How many **miles** is that? _____

C. Mixed Challenge

9. A piece of trim is **6 ft 8 in** long. Convert the entire length into **inches**. _____
10. The carpenter must install **2.5 miles** of wood railing. How many **yards** will that be? _____

Bonus Challenge

A lumber order is **15 yards** of wood planks. How many **inches** of wood will be delivered? _____

