Lesson 2.9 Problem Solving

SHOW YOUR WORK

Solve each problem. Write each answer in simplest form.

1. David worked $7\frac{1}{3}$ hours today and planted 11 trees. It takes him about the same amount of time to plant each tree. How long did it take him to plant each tree?

It took him _____ hour to plant each tree.

1.

2. A car uses $3\frac{1}{8}$ gallons of gasoline per hour when driving on the highway. How many gallons will it use after $4\frac{2}{3}$ hours?

It will use _____ gallons.

2.

3. A board was $24\frac{3}{8}$ inches long. A worker cut it into pieces that were $4\frac{7}{8}$ inches long. The worker cut the board into how many pieces?

The worker cut the board into _____ pieces.

3.

4. Susan must pour $6\frac{1}{2}$ bottles of juice into 26 drink glasses for her party. If each glass gets the same amount of juice, what fraction of a bottle will each glass hold?

Each glass will hold _____ bottles.

4.

5. The standard size of a certain bin holds $2\frac{2}{3}$ gallons. The large size of that bin is $1\frac{1}{4}$ times larger. How many gallons does the large bin hold?

The large bin holds _____ gallons.

5.

6. Diana has $3\frac{1}{4}$ bags of nuts. Each bag holds $4\frac{1}{2}$ pounds. How many pounds of nuts does Diana have?

Diana has _____ pounds of nuts.

6.

7. There is a stack of 7 crates. Each crate is $10\frac{2}{3}$ inches high. How many inches high is the stack of crates?

The stack of crates is _____ inches high.

7.