

MY Homework**Lesson 9****Multiply by One-Digit Numbers****Homework Helper**Need help? connectED.mcgraw-hill.com

The world's largest cactus is 5 times as tall as the cactus shown. How tall is the world's largest cactus?

Find 15×5 .

Estimate $20 \times 5 = 100$



Multiply the ones.

5 ones $\times 5 = 25$ ones

Regroup 25 ones as 2 tens and 5 ones.



Multiply the tens.

1 ten $\times 5 = 5$ tens

Add any new tens.

5 tens + 2 tens = 7 tens

$$\begin{array}{r} 2 \\ 15 \\ \times 5 \\ \hline 75 \end{array}$$

So, the world's largest cactus is 75 feet tall.

Check Compare to the estimate. $75 \approx 100$

**Practice**

Estimate. Then multiply. Use your estimate to check your answer.


1.
$$\begin{array}{r} 18 \\ \times 8 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 72 \\ \times 4 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 341 \\ \times 4 \\ \hline \end{array}$$



Problem Solving

4. **Mathematical PRACTICE**  **Check for Reasonableness** Malcolm ran the 440-yard dash and the 220-yard dash at a track meet. There are 3 feet in one yard. How many total feet did Malcolm run? Estimate first. Then check for reasonableness.
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5. Each student in Mrs. Henderson's science class brought in 3 books for the book donation. If there are 25 students in the class, how many total books did they collect?
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6. Karen and Anthony are setting up rows for the piano recital. They set up 24 rows with 6 chairs in each row. How many total people will the rows seat?
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7. Veronica brought her turtle out of its aquarium for 15 minutes every night for 7 days. How many total minutes did she bring her turtle out of its aquarium?
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Test Practice

8. A restaurant has 36 tables. If each table can sit five people, how many people can be seated at the restaurant?
- (A) 216 people
(B) 180 people
(C) 150 people
(D) 41 people