

CTB/McGraw-Hill
Grade 5 Performance Task
Schoolyard Habitat

Go to the Next Page

Students in Mr. Wilson's 5th grade science class are studying the habitats of wildlife. They decide to build a habitat for wildlife by planting trees and shrubs on their schoolyard.

1. The students have learned that native shrubs are used by wildlife for food and cover. They have 5,000 square feet of land to use for their schoolyard habitat. One shrub takes up 4 square feet.

Part A

How many shrubs can the students plant on 5,000 square feet of land?

Answer _____

Part B

The students decide to use only 1,500 square feet of land for the shrubs. How many shrubs do they need to buy?

Show your work.

Answer _____

Go to the Next Page

2. The students are planting trees to create a place for birds to nest. They have 3,500 square feet of land to plant trees.

Part A

The students decide that each tree should be planted in an area of 25 square feet of land. How many trees can be planted?

Answer _____

Part B

An average student can plant 2.5 trees an hour. There are 18 students in Mr. Wilson's class. How many trees can be planted in 1 hour?

Answer _____

Part C

If the students of Mr. Wilson's class spend a total of 3 hours planting trees, can all the trees be planted? Explain why or why not on the lines.

3. The students have created a budget for the schoolyard habitat. They need to figure out the total cost to build the schoolyard habitat.

Item	Unit Cost	Number of Units	Cost of Units
Trees	\$10.50	150	
Wildflowers	\$0.65	195	
Shrubs	\$0.85	195	
Total Cost of Units			

Part A

Complete the table to find the total cost to build the schoolyard habitat.

Part B

Mr. Wilson’s class has received \$750.00 in donations. How much more money is needed in order to build the schoolyard habitat?

Answer \$ _____

Explain how you found your answer on the lines.

Go to the Next Page

This is the end of the task.