

Name: _____ Student ID Number: _____ Grade: 8

Teacher: _____ School: _____ Date: _____

The Animal Olympics

The *Animal Olympics* is coming up this summer, and one of the events is tree felling. An average group of beavers can fell a tree 20 inches thick in 15 minutes.

Bart the Beaver claims his family can fell a tree twice as fast as the average group of beavers.

Betty the beaver claims her family can fell a tree triple that size in double the time as the average group of beavers.

The day of the competition, the beavers will be required to fell the following trees.

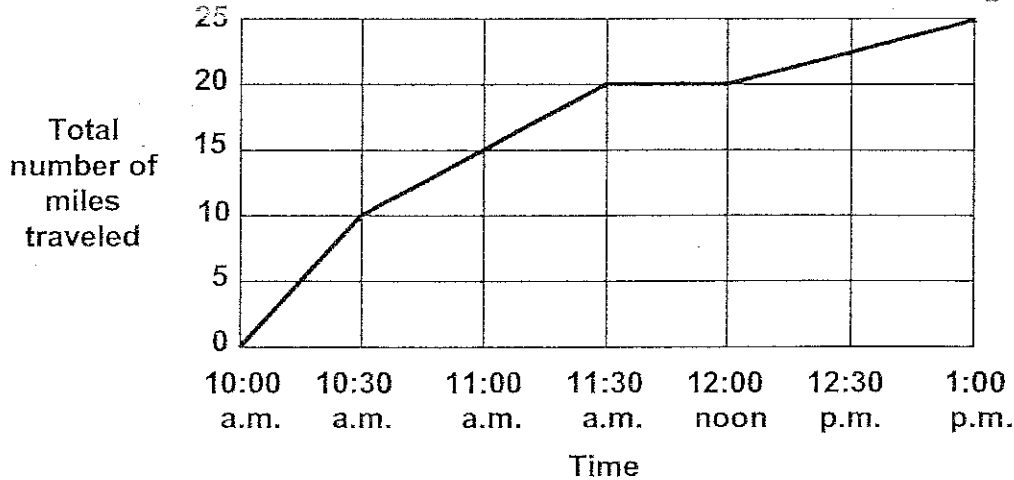
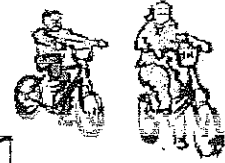
Tree 1	20 inches thick
Tree 2	60 inches thick
Tree 3	10 inches thick

Based on Bart's and Betty's times, which family will do better in the tree felling competition?

Bike Ride

Selina and Jack went for a bike ride today.

They made this graph of their bike ride.



1. How many miles did they travel in all? _____ miles
2. How long did their bike ride take? _____ hours
3. When were they cycling the fastest? _____

Explain your answer.

4. What does the graph show that they did between 11:30 a.m. and 12 noon?

Explain your answer.

5. What was their speed between 12 noon and 1 p.m.?

_____ miles an hour