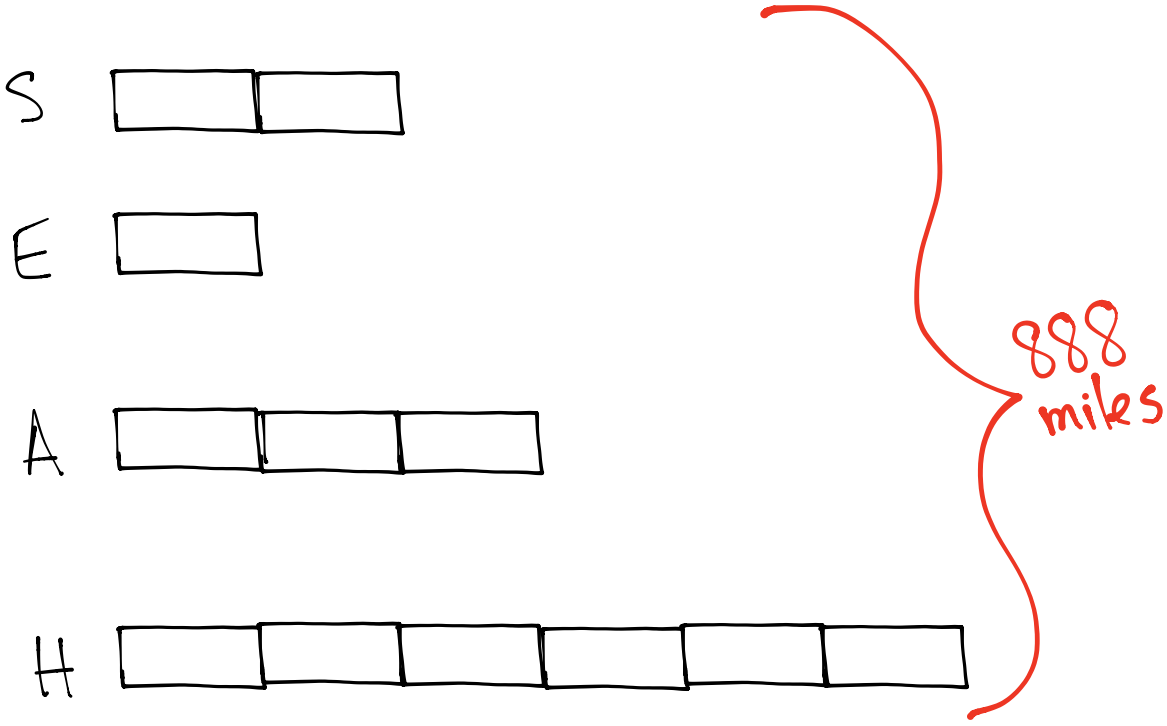
Name _____ Date _____

1. Sara travels twice as far as Eli when going to camp. Ashley travels as far as Sara and Eli together. Hazel travels 3 times as far as Sara. In total, all four travel 888 miles to camp. How far does each of them travel?



12 units = 888 miles
1 unit = 74 miles

Sara: 2 x 74 = 148 miles

Eli: 1 x 74 = 74 miles

Ashley: 3 x 74 = 222 miles

Hazel: 6 x 74 = 444 miles

The following problem is a brainteaser for your enjoyment. It is intended to encourage working together and family problem-solving fun. It is not a required element of this homework assignment.

2. A man wants to take a goat, a bag of cabbage, and a wolf over to an island. His boat will only hold him and one animal or item. If the goat is left with the cabbage, he'll eat it. If the wolf is left with the goat, he'll eat it. How can the man transport all three to the island without anything being eaten?

shore island

Goat
Cabbage
Wolf

Cabbage, Wolf — bring Goat → Goat
Cabbage, Wolf ← return empty — Goat

Wolf — bring cabbage → Cabbage
Goat ← return with Goat — Cabbage

bring wolf → Wolf
Goat ← return empty — Cabbage

bring goat → Goat, Wolf, Cabbage