

Name: _____ Class: _____ Date: _____

Fido & Baxter: Area and Perimeter affected by enlarging

Fido's current backyard is 13 feet by 7 feet. How much fence does it take to enclose his yard?



How much area does he have to run and play?

He is excited because he is moving to a new house that is double in length and width. How much fencing will his owners need to fence in his backyard?

How many times more fencing will he need at his new house?

How much area will Fido have to run and play now?

How many times bigger is the area of his yard at his new house?

Baxter, the cat, has an isosceles-triangle shaped house. The base of his house is 6 feet, the height is 4 feet and the sides are 5 feet. Use the triangle shaped front view of the house to answer the following questions.



How much wood is needed to make the frame of Baxter's house?

What is the area of Baxter's house (the 2D triangle front view)?

His owners decide to triple the dimensions of his house. How much wood will they need to make the frame of Baxter's house?

How many times more wood do his owners need to make the frame of his new house?

What is the area of Baxter's new house (the 2D triangle front view)?

How many times bigger is the area front view of Baxter's new house?