



The answer gives us $\frac{h \omega}{N M}$ which the perimeter or area has changed by, the new perimeter or area!



1. A preschool has a rectangular field and a rectangular playground that are similar in shape. Each dimension of the field is 3.2 times the corresponding dimension of the playground.

Part A: The perimeter of the field is $\frac{3.2}{2}$ times the perimeter of the playground.

Part B: The area of the field is 10.94 times the area of the playground.

2. The side length of a smaller square is one-third the side length of a larger square. How does the area of the smaller square compare to the area of the larger square?

3. A triangle is enlarged by multiplying each of its dimensions by 4.

Part A: The perimeter of the new triangle is $\frac{4}{2}$ times the perimeter of the original triangle.

Part B: The area of the new triangle is 16 times the area of the original triangle.