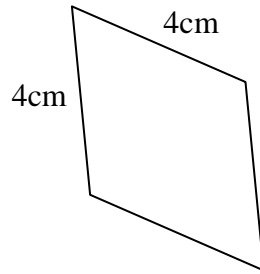


1. Miguel wants to make a kite with a shape similar to the one shown below. The length of the sides of the new kite will be 15 times larger.



PART A

What would be the perimeter in centimeters of the new kite? **Perimeter:** _____

PART B

Would the angles of the new kite be larger, smaller, or the same as the angles of the kite pictured above? Explain your answer on the lines below.

2. Each year approximately 28 million tons of yard waste (mowed grass, dead leaves, etc.) is thrown away in the United States. This is about 20% of the total amount of garbage thrown away in the United States each year. About how many tons of garbage is thrown away in the United States each year?

Show your work.

Answer: _____

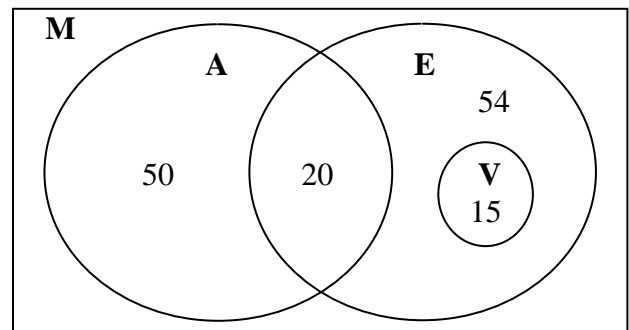
3. The Venn Diagram below shows the relationship of 4 sets of students at Madison Middle School.

M = set of all students at Madison Middle School

A = set of all students taking algebra

E = set of all eighth graders

V = set of eighth graders who play volleyball



Determine the total number of eighth graders who attend Madison Middle School.

Show your work or explain in words.