



At a pumpkin patch, small pumpkins are sold for \$3, medium pumpkins are sold for \$7, and large pumpkins are sold for \$12. Ms. Jones is in charge of the decorations for the town's fall festival and purchased 16 pumpkins from the pumpkin patch including at least one of each size. She spent a total of \$109. How many of each size pumpkin did she buy?

S = # of small pumpkins m = # of medium pumpkins L = # of large pumpkins S = # of large pumpkins L = # of large pumpkins Each of the lb pumpkins cost her at least \$3, which uses up $$48.$ The remaining $61$ must have been used for me upcharge for Med + large pumpkins (7-3)m + (12-3)L=b1 Am + 9L = b1 4m + 9L = b1 S = # of small pumpkins S = m + 2 = lof S = m + 2 = lof S = m + 2 = bil S = m +$
$4m + 9l = 61   clcb since she bought at least 1$ $\frac{l   b1 - 9l}{2}  and buying 6 would make m < 1.$ $\frac{52}{4} = 13  1 \text{ large, 13 medium, 2 small}$
4 25 multiple of $\frac{10}{5} = 4$ or $\frac{10}{5} = 4$ $\frac{10}{7} = 4$
Jamirea says there are two possible answers so there's no way of knowing for sure how many of each kind Ms. Jones bought. Do you agree or disagree? Explain.
yes, there are two possible combinations of
small, medium, and large pumpkins that cost \$109 for
le pumpkins so we don't know which of these combinations she actually bought.
1 large, 13 medium, 2 small
or
5 Large, 4 medium, 7 small
Math Medic