

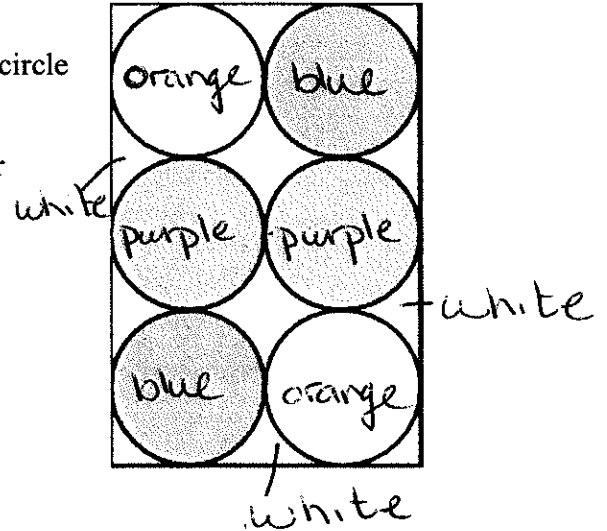
Show all formulas and work to get your answer. Don't round until you get to your final answer. Then, you can round to the nearest tenth if necessary.

Name: _____

1. Mary is painting a mural for her art class. Each colored circle has a circumference of 20.096 in.

a. Determine how much paint Mary will need for each color below:

- Orange paint
- White paint

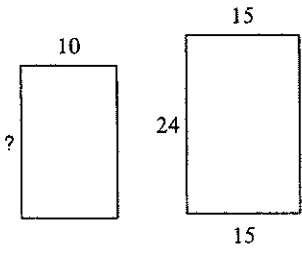


2. A circular pizza can feed a family of 5 if it has a circumference of 75.36 square inches. Michael's Pizza House has a family sized pizza with an area of 400 square inches. Will this be enough pizza for 5 people?

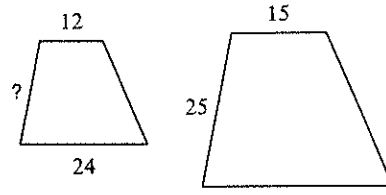


The polygons in each pair are similar. Find the missing side length. *algebraically.*

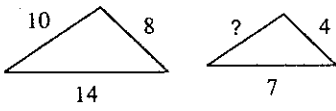
1)



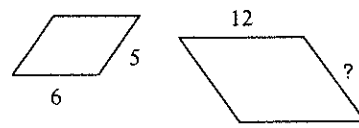
2)



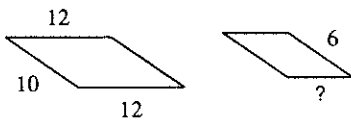
3)



4)



5)



6)

