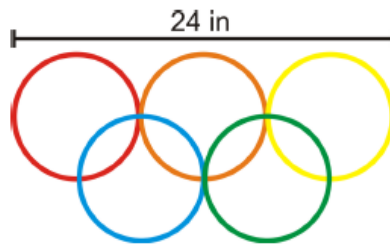


11. The Olympics symbol is five congruent circles arranged as shown below. Assume the top three circles are tangent to each other. Brad is tracing the entire symbol for a poster. How far will his pen point travel?



Mario's Pizza Palace offers a stuffed crust pizza in three sizes (diameter length) for the indicated prices:

The Little Cheese, 8 in, \$7.00

The Big Cheese, 10 in, \$9.00

The Cheese Monster, 12 in, \$12.00

12. What is the crust (in) to price (\$) ratio for The Little Cheese?
13. What is the crust (in) to price (\$) ratio for The **Big Cheese**?
14. What is the crust (in) to price (\$) ratio for The **Cheese Monster**?
15. Michael thinks the cheesy crust is the best part of the pizza and wants to get the most crust for his money. Which pizza should he buy?
16. What is the difference between the measure of an arc and arc length? Explain.
17. In a circle with radius 1.5 units, what is the length of an arc intercepted by a central angle that measures 2.3 radians?
18. Are all circles similar? Are all circles congruent? Explain.