

MATH 230 Session 5 Group Work

Let D_n = the number of diagonals for an n -gon (polygon with n sides)

Find the number of diagonals for a dodecagon (12-gon)? Next, develop a rule for determining the number of diagonals for any polygon. In particular develop a formula for determining D_n when given a value for n .

Understand the Problem:

- a. What is a diagonal of a polygon?
- b. Show how to determine D_4 and D_5 .

Make a Plan: How will you proceed to address this problem?

Carry Out Your Plan:

Look Back: