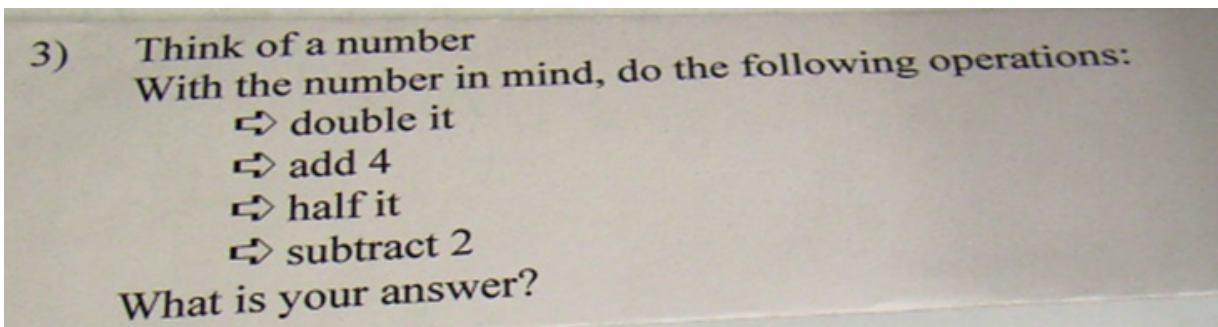


WARM-UP...



Inductively:

11
 22
 26
 13
 (11)

You get
 your
 original
 #

Deductively:

$$\begin{array}{r}
 n \\
 2n + 4 \\
 \hline
 2 \\
 n + 2 \quad 2 \\
 \hline
 (n)
 \end{array}$$

HOMEWORK...

$$\text{Sum} = 180(n-2)$$

↑
of sides

Page 99: 1, 3, 4, 5, 10, 11, 16

HISTORY on Buckyball Do A, B and C

History | Connection**Buckyballs—Polygons in 3-D**

Richard Buckminster “Bucky” Fuller (1895–1983) was an American architect and inventor who spent time working in Canada. He developed the geodesic dome and built a famous example, now called the Montréal Biosphere, for Expo 1967. A spin-off from Fuller’s dome design was the buckyball, which became the official design for the soccer ball used in the 1970 World Cup.

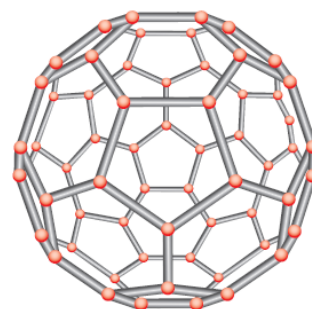
In 1985, scientists discovered carbon molecules that resembled Fuller’s geodesic sphere. These molecules were named fullerenes, after Fuller.



The Montréal Biosphere and its architect



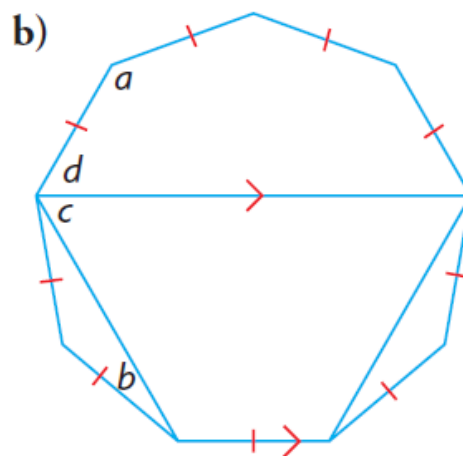
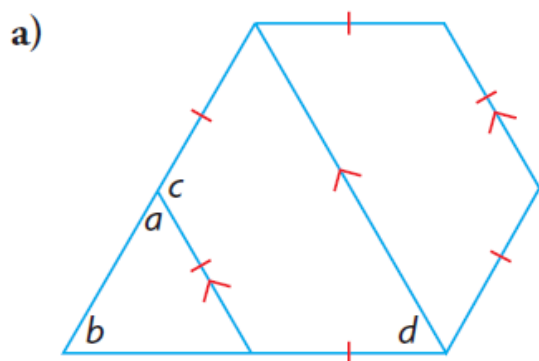
FIFA soccer ball, 1970



Carbon molecule, C_{60}

- Identify the polygons that were used to create the buckyball.
- Predict the sum of the three interior angles at each vertex of the buckyball. Check your prediction.
- Explain why the value you found in part B makes sense.

16. In each figure, the congruent sides form a regular polygon. Determine the values of a , b , c , and d .



Mr. Svarc's Magic???

VOLUNTEER...

1. Pick a number between 50 and 99.
2. Add 58.
3. Cross out the hundreds digit and add to the units digit.
4. Subtract the answer from the original number.

READY TO BE AMAZED???

Guest Trickster...Dictionary/Birthday Tricks!

UNIT TEST... Chp. 1 - Inductive/Deductive

Chp. 2 - Angle Properties

REVIEW / PRACTICE TIME...

CHAPTER 1...

- p. 34: Mid Chp Review (FAQ)
- p. 35: Mid Chp Practice Ques.
- p. 59: Chp Review (FAQ)
- p. 61: Chp Practice (omit 1.7)
- p. 58: Practice Test

CHAPTER 2...

- p. 84: Mid Chp Review (FAQ)
- p. 85: Mid Chp Practice Ques.
- p. 105: Chp Review (FAQ)
- p. 106: Chp Practice
- p. 104: Practice Test