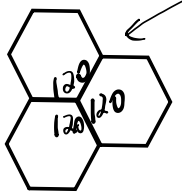
HOMEWORK...

$S(n) = 180(n-2)$ Questions

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

HISTORY on Buckyball Do A, B and C

4. Honeybees make honeycombs to store their honey. The base of each honeycomb is roughly a regular hexagon. Explain why a regular hexagon can be used to tile a surface.



TOTAL 360° ⇒ TILE

$S(6) = 180(6-2)$
$= 720°$

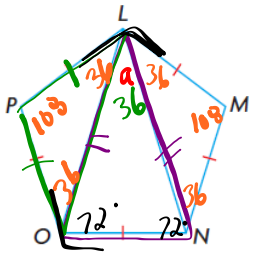
Angle ⇒ $\frac{720}{6}$
$= 120°$

10. *LMNOP* is a regular pentagon.

a) Determine the measure of $\angle OLN$. 36°

b) What kind of triangle is $\triangle LON$? Explain how you know. Isosceles

108°

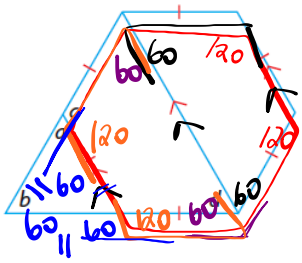


$S(5) = 180(5-2)$
$= 540°$

Angle ⇒ $\frac{540}{5}$
$= 108°$

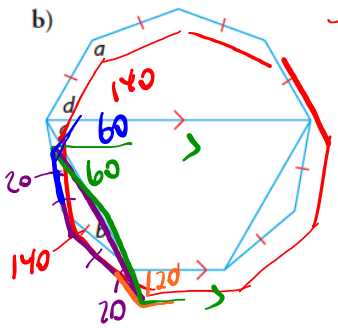
16. In each figure, the congruent sides form a regular polygon. Determine the values of *a*, *b*, *c*, and *d*.

a)



d = 60°
c = 120°
b = 60°
a = 60°

b)

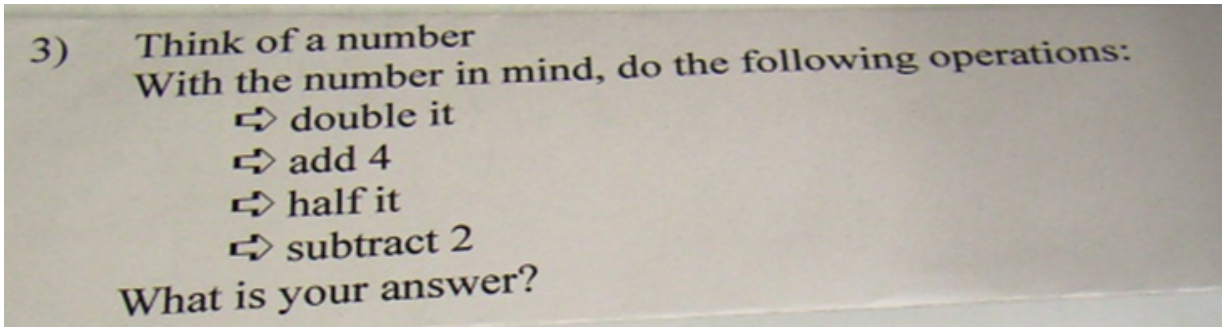


d = 60° a = 140 c = 60°
b = 20

$S(9) = 180(9-2)$
$= 1260$

Angle = $\frac{1260}{9}$
$= 140°$

WARM-UP...


3) Think of a number
With the number in mind, do the following operations:
- double it
- add 4
- half it
- subtract 2

What is your answer?

Inductively:

11
22
26
13
11

Deductively:

n

$\frac{2n+4}{2}$

$n+2-2$

n

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

Tues

Chp. 2 - Angle Properties

REVIEW / PRACTICE TIME...

* Deductive (1.4)

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

* Proofs 2.2 & 2.3

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