

DUE Fri. 11/9

GET PARENT SIGNATURE on Grade Sheet!

**INITIAL TEACHER FEEDBACK:**

SHOW WORK PLEASE     NEATER PLEASE

WRITE TIME SPENT     PLEASE CORRECT

LEVEL 3 \_\_\_\_\_ (✓, √, or √+)

NAME \_\_\_\_\_

**HW #1 Unit 1 Tri 2**

Final Score: \_\_\_\_\_/4

MISTAKES CORRECTED  No

INCLUDES REFLECTION  No

REDO SHOWS WORK Neatly  No

LATE = -1  If you were absent, write "Absent" here:

**25 Min. Time limit:** This homework took

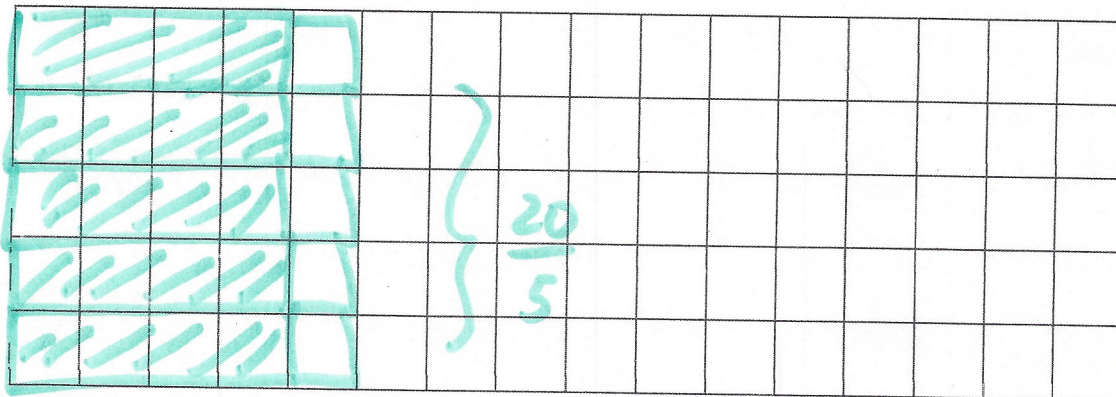
approximately \_\_\_\_\_ minutes.

**LEVEL ONE - Making Meaning**

#1. Solve by drawing:  $5 \times \frac{4}{5}$

Answer  
**4**

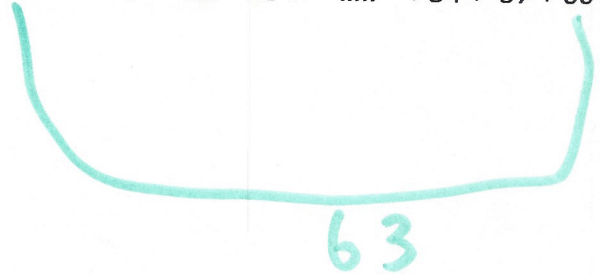
(draw five groups of 4/5 and count up the total)



**Level Two**

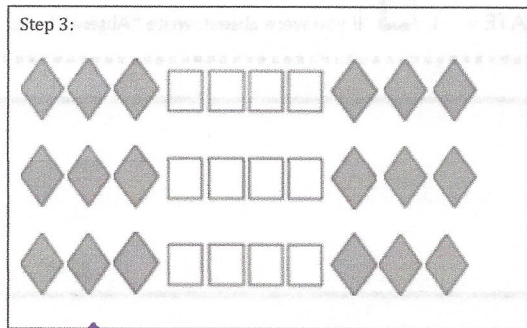
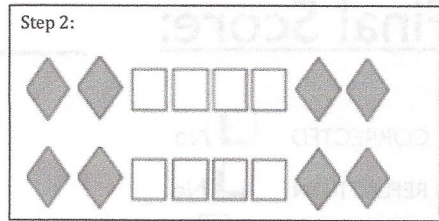
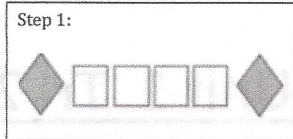
#2. FIND THE SUM, using any method.

$3 + 6 + 9 + 12 + 15 + \dots + 54 + 57 + 60 = \underline{630}$



20 #'s  
10 pairs of 63

### #3 Level 1, 2, 3: Study the Pattern



a) in the LEFT "wing" of rhombuses only:

Step 1	1 rhombus
Step 2	4 rh.
Step 3	9 rh.
Step 4	16 rh.
Step 5	25 rh.
Step 10	100 rh.
Step 100	10000 rh.
Step "n"	$n^2$ rh.

Level 2 {  
Level 3 {

What pattern do you see

b) in the squares

Step 1	4 squares
Step 2	8 sq.
Step 3	12 sq.
Step 4	16 sq.
Step 10	40 sq. } Level 2
Step 43	172 sq. } Level 3
Step "n"	$4n$

c) in the rhombuses

Step 1	2 rhombuses
Step 2	8 rh.
Step 3	18 rh.
Step 4	32 rh.
Step 10	200 sq. } Level 2
Step 43	2.43 <sup>2</sup> sq. } Level 3
Step "n"	$2n^2$

d) in the TOTAL number of quadrilaterals: (squares and rhombuses)

Step 1	6 quadrilaterals
Step 2	16 qu.
Step 3	30 qu.
Step 4	48 qu.
Step 10	240 sq. } Level 2
Step 43	sq. } Level 3
Step "n"	$4n + 2n^2$

# #4. Multiplication, LEVEL ONE: Fill in blanks:

6  
12  
18  
24  
30  
36  
42  
48

5 →  $6 \times 6 = 36$   
 $9 \times 6 = 54 \ 0 \ 0 \ 0 \ 0 \ 0$

7  
14  
21  
28  
35  
42  
49  
56

5 →  $6 \times 7 = 42$

8  
16  
24  
32  
40  
48  
56  
64

5 →  $6 \times 8 = 48$

multiply

add

## Level 2:

mult.

add

## LEVEL C, optional challenge - Counting like a computer

$64 + 16 + 2 + 1 = ?$

a) What number is it?

83

b)

47

c)

?

d)

?

219