

Don't just talk about GRIT & GROWTH MINDSET... EXEMPERATE THE REFLECTION IT.









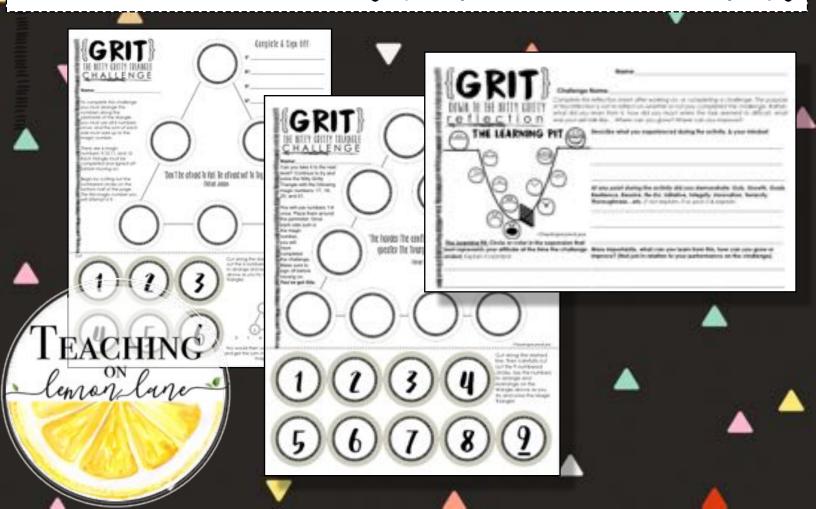






THE NITTY
GRIANGLE

Don't just talk about GRIT & GROWTH MINDSET... EXPERIENCE IT! then RUFLUT on it



PAT	Name:
(Challeng Complete	ge Name:
DOWN O HE NILLY GRILLY of this reflewhat did y	this reflection sheet after working on, or completing a challenge. The purpose oction is not to reflect on whether or not you completed the challenge. Rather you learn from it, how did you react when the task seemed to difficult, wha elf-talk like Where can you grow? Where can you improve?
THE LEARNING PIT	Describe what you experienced during the activity, & your mindset:
FA	At any point during the activity did you demonstrate: Guts, Growth, Goals, Resilience, Resolve, Re-Do, Initiative, Integrity, Innovation, Tenacity, The oughtess setc. For application of pick 3 of explain:
©TeachingonLemonLar	
<u>The Learning Pit:</u> Circle or color in the expression the best represents your attitude at the time the challengended. Explain if needed:	ON
Len	enlane
SM	
DOWN TO refle	ge. The purpose hallenge. Rather, d to difficult, what e?
THE L	, & your mindset:
	At any point auring the activity did you demonstrate: Guts, Growth, Goals,
THE L THE L THE L THE L The Learning Pit: Circle or color in the expression that	Resilience, Resolve, Re-Do, Initiative, Integrity, Innovation, Tenacity, Thoroughnessetc. If not explain, if so pick 3 & explain:
©TeachingonLemonLand	
	ge More importantly, what can you learn from this, how can you grow or improve? (Not just in relation to your performance on the challenge)



To complete this challenge you must arrange the numbers along the perimeter of the triangle, you must use all 6 name is once, and the sum of each side must add up to the magic number.

There are 4 magic numbers: 9,10,11, and 12. Each triangle must be completed and signed off before moving on.

Begin by a tting out the numbered circles on the bottom half of the page.

The first magic will atten :Complete & Sign Off:

10:_____

u:____

12:

EACHING

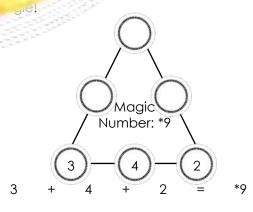
"Don't be afraid to fail. Be afraid not to try."
- Michael Landan

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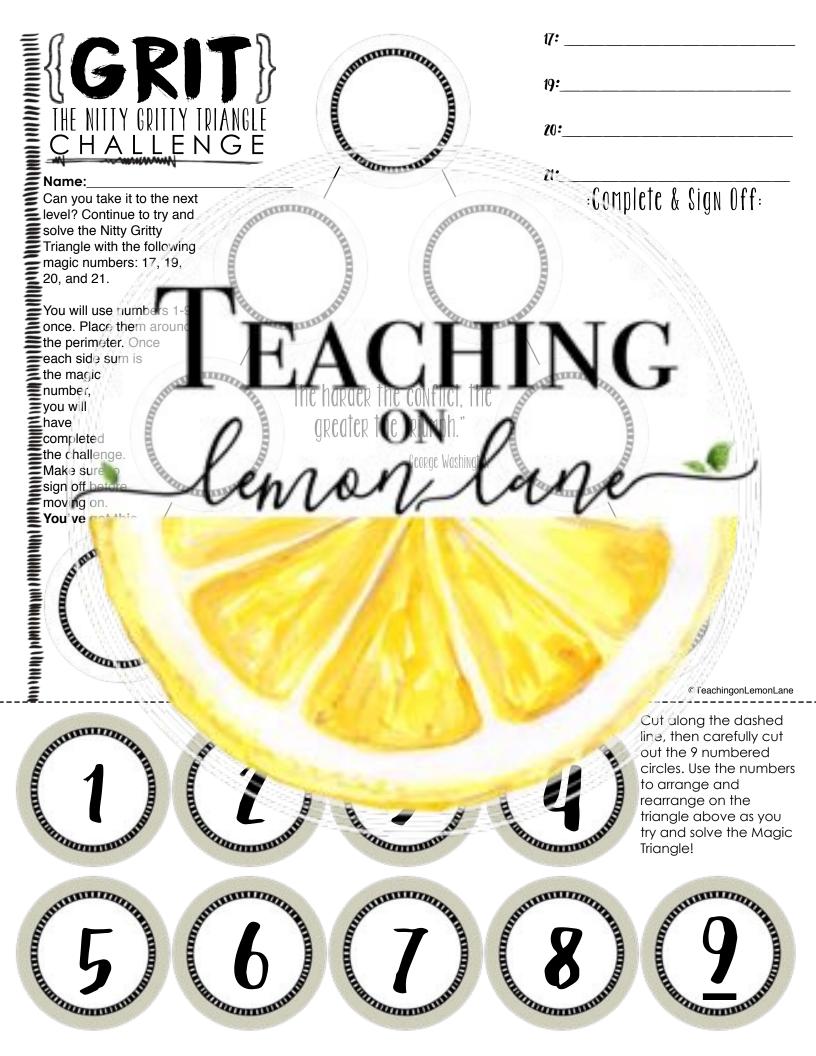
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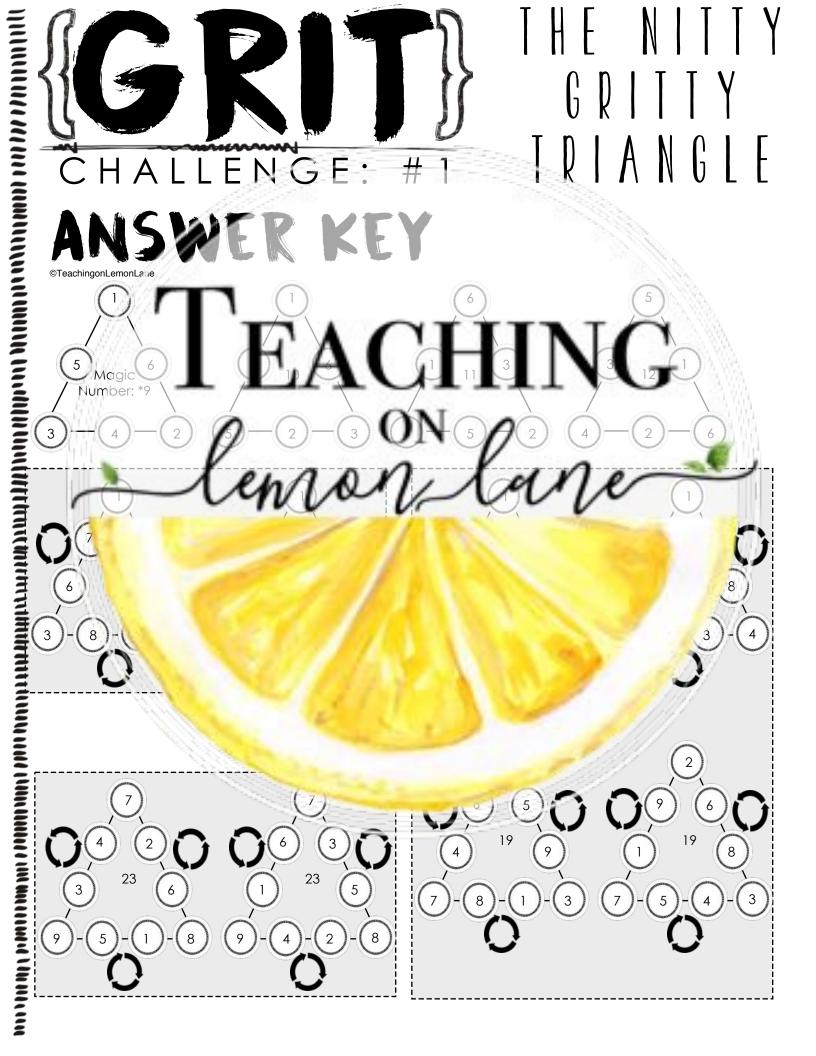
4 5 Martin 6 Martin 6

line, then carefully cut d circles. Use the numbers rearrange on the triangle ou try and solve the Magic



You would then use the remaining digits to try and get the sum of each side to also equal the magic number *9

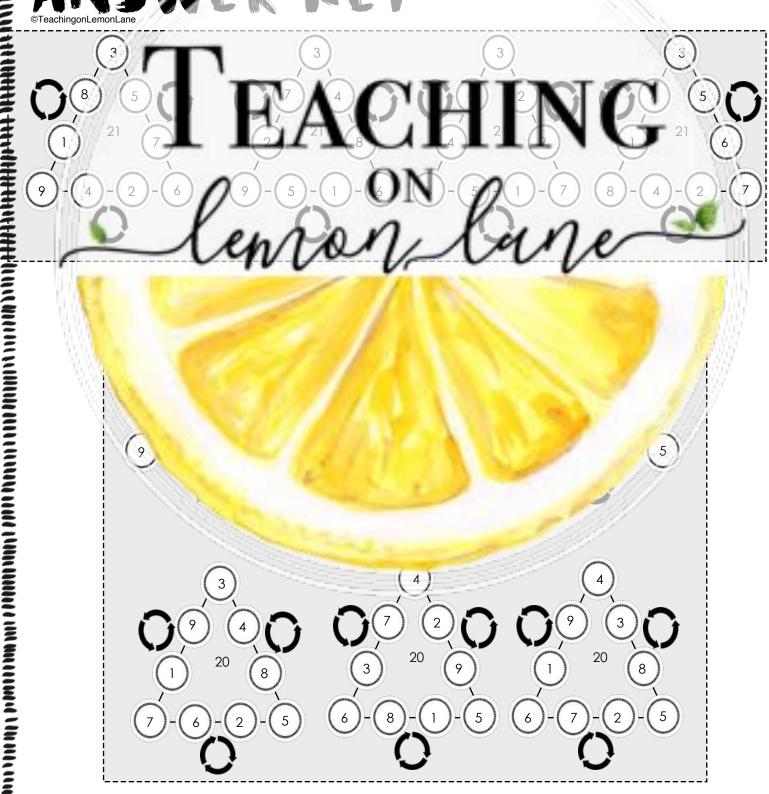






THE NITTY
GRITTY
IRRANGIE

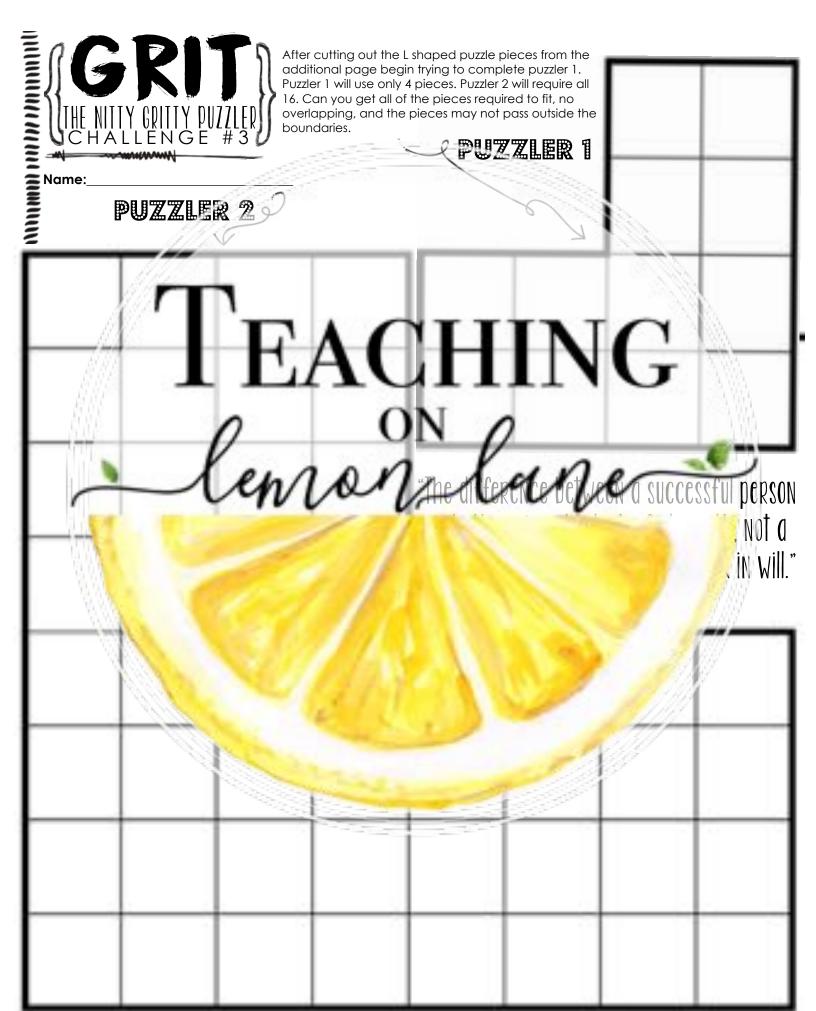
ANSWER KEY





THE NITTY
GRITTY
DUZZLER







Name:

To begin cut out 4 pieces. Use the 4 pieces to attempt Puzzler 1. When the puzzle is complete all 4 pieces will be used, facing the correct direction, with no overlap, and no crossing over the outer perimeter. Once Completed, cut out the rest of the pieces and use all 16 to attempt Puzzler 2.

*It possible print on a cardstock or laminate after cutting. The thicker the piece, the easier to move around.

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Cut along dashed lines LEACHING lemon lane

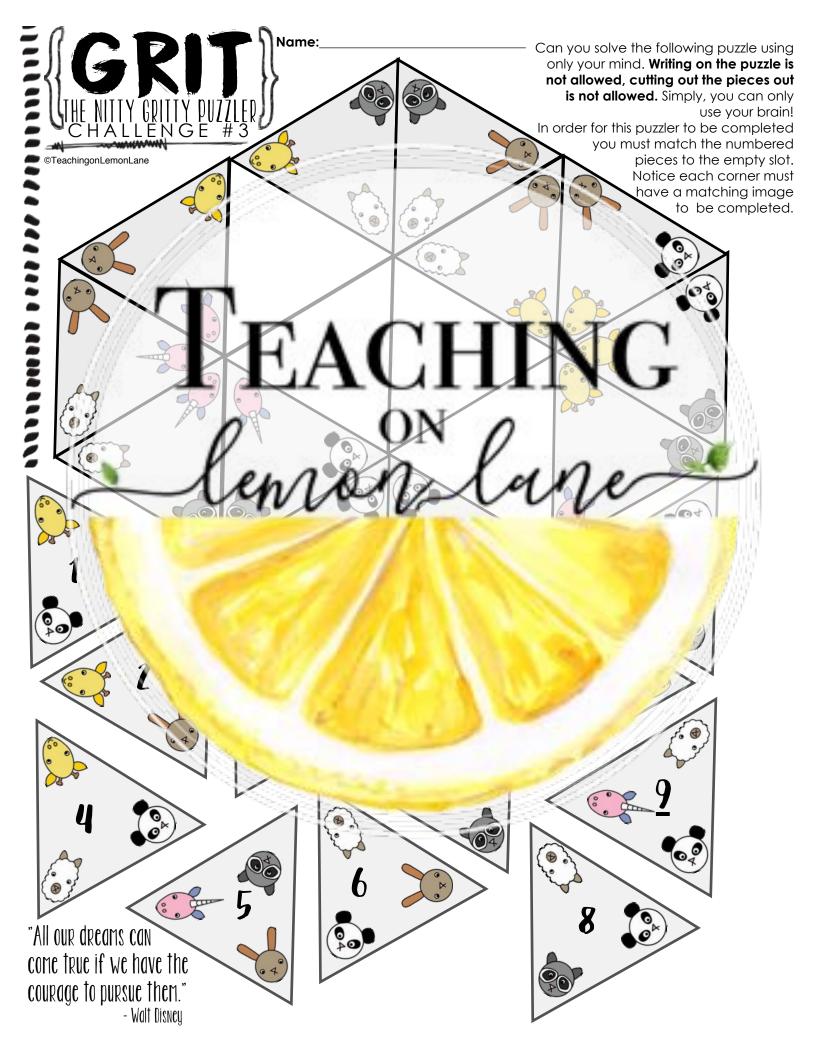


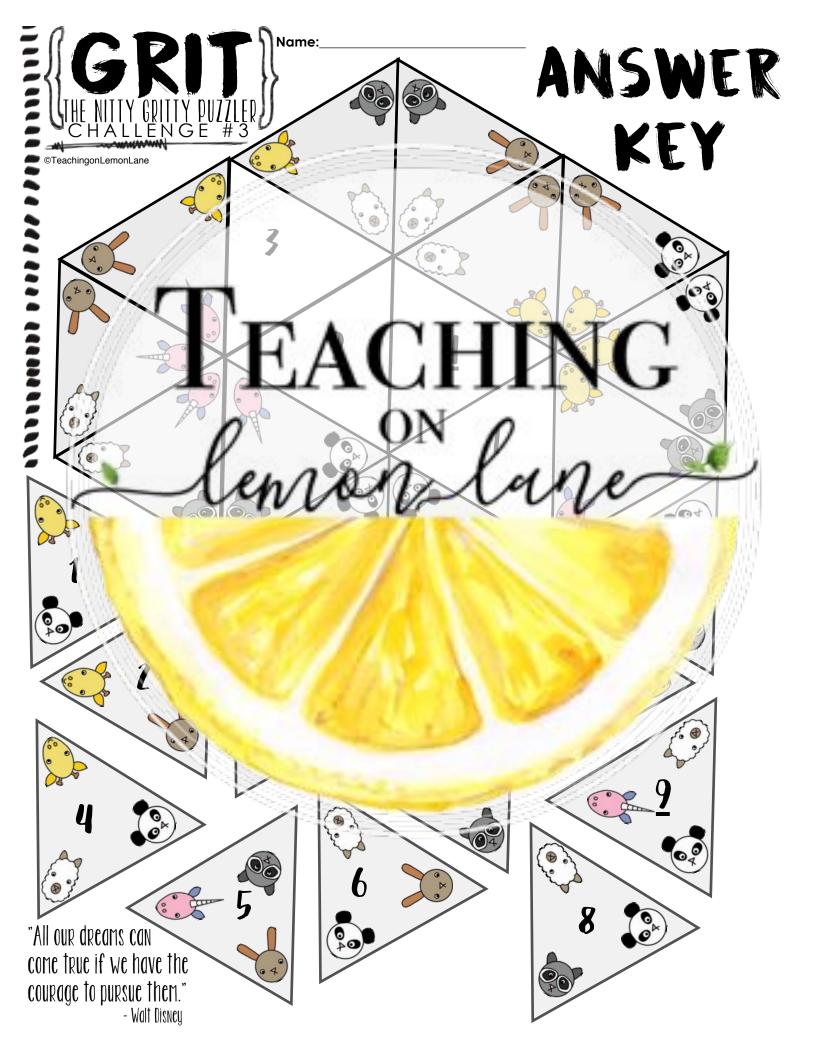
Name:

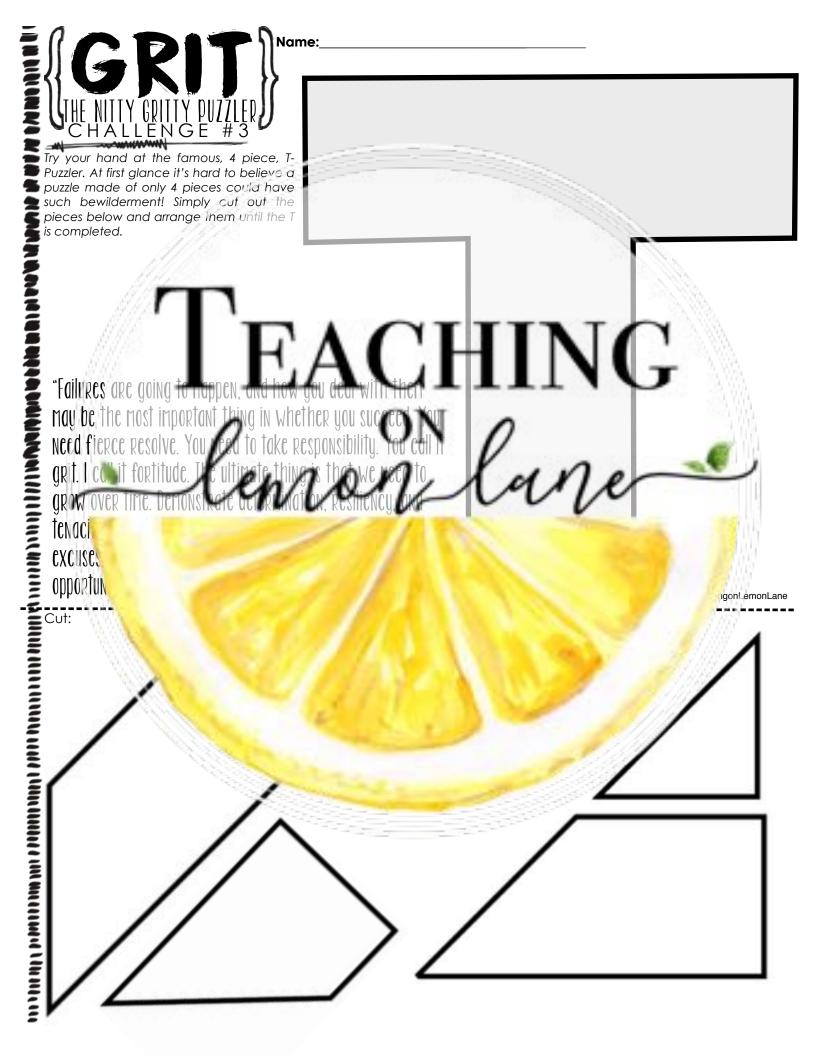
PUZZLER 2

PUZZLER 1

L'EACHING lemon lane









ANSWER KEY

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TEACHING

Fun clas

math
journall.
Gardner
said, "I know o.
polygon-dissection
puzzle with as few
pieces that is so
intractable." (hard
to control or deal with...)

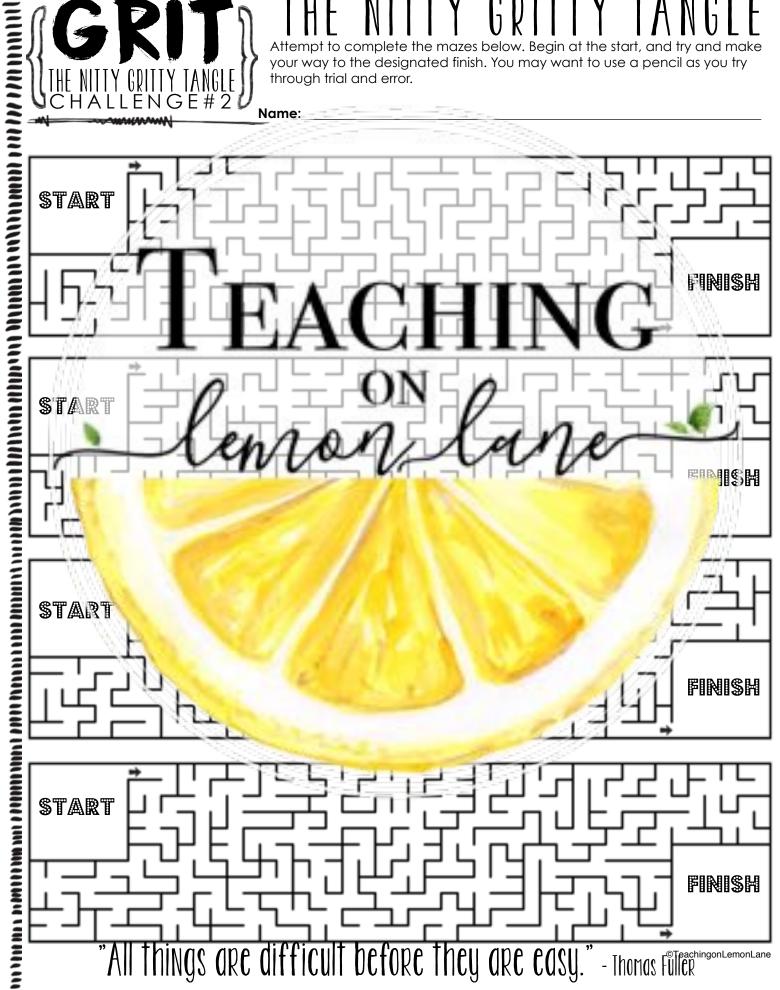


THE NITTY
GRITTY
IANGLE





Attempt to complete the mazes below. Begin at the start, and try and make your way to the designated finish. You may want to use a pencil as you try through trial and error.





Attempt to complete the mazes below. Begin at the start, and try and make your way to the designated finish. You may want to use a pencil as you try through trial and error. Notice the minimages. They are simply the start in the last of the last

through trial and error. Notice the mini mazes. They are simply there to help you in your attempt.

Name:

START MINI MAZE ACHING MINI

FINISH

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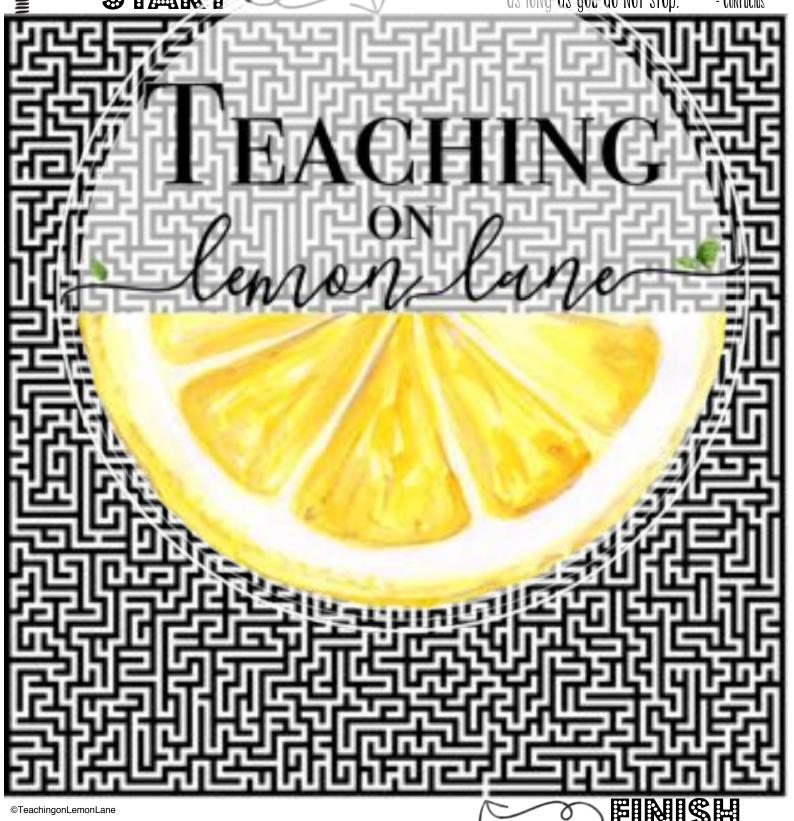
THE NITTY GRITTY TANGLE Can you take it to the next level? Attempt to complete the maze below. Begin

Can you take it to the next level? Attempt to complete the maze below. Begin at the start, and try and make your way to the designated finish. You may want to use a pencil as you try through trial and error.

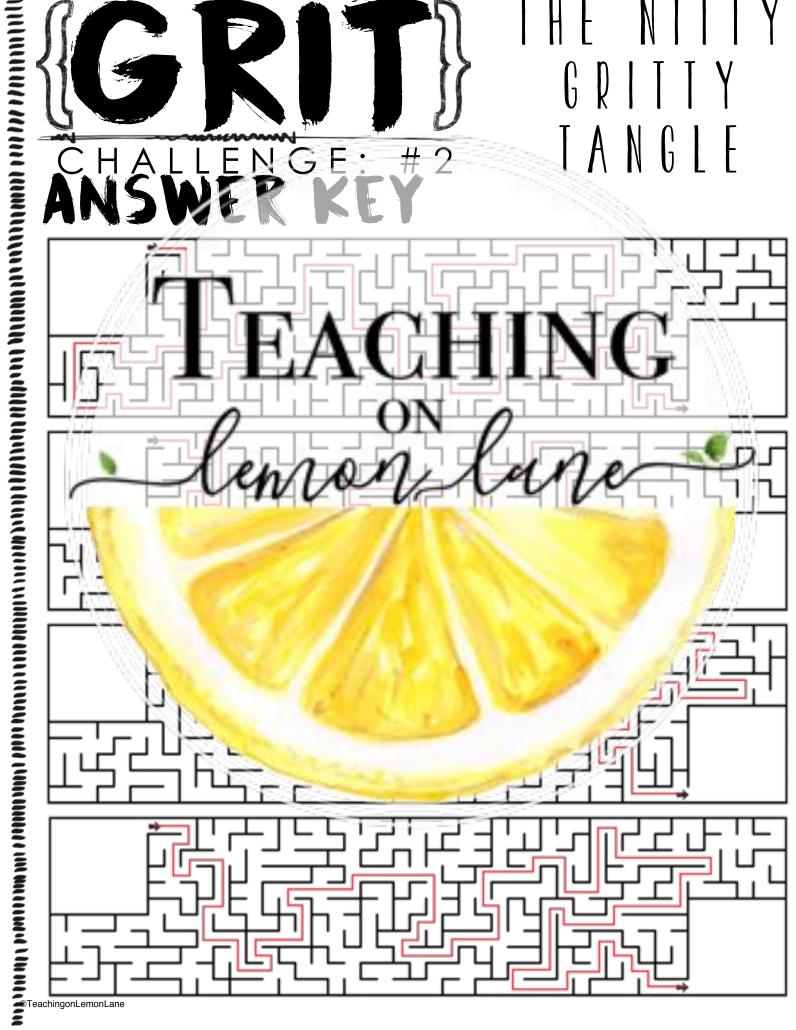
Name:

START

"it does not matter how slowly you go as long as you do not stop." - confucius









THE NITTY
GRITTY
IANGLE

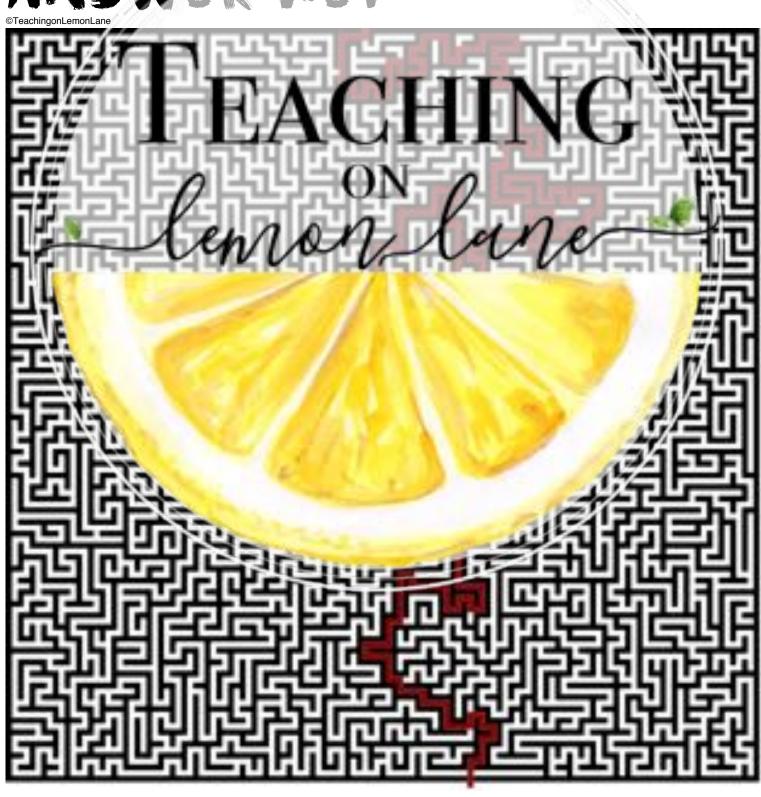
ANSWER KEY

l'EACHING lemon lane



THE NITTY
GRITTY
IANGLE

ANSWER KEY





THE NITTY
GRITTY
CONFUZZLER







Below you will find a series of Rebus Puzzles. (a riddle made up of words, symbols, pictures...etc) Often the answer is a well know saying, or phrase. Pay attention to repetition, placement, size, number...etc. The solution to a rebus is all in the details. Record your answer to the right. **Hint: if your solution feels random likely it is not the solution. There tends to be an AHA moment when solving a Rebus!

© I eachingonLemonLane	Name:	
SECRET SECRET SECRET SECRET 2. GIVE GET GIVE GET GIVE GET GIVE GET 3. ABCDEFGHIJKLMN OPQRSTAWXYZ 4. COVER	9. YOUR TIME	HOROBOD
2. GIVE GET GIVE GET GIVE GET GIVE GET	F SEA GSG GSG I	HING.
3. ABCDEFGHIJKLMN OPQRSTWXYZ	lennon	lure A
H. COVER I		
5. LADY LADY LA		
6. YOURSELF C YOURSELF YOURSELF YOURSELF	WUKUS	ISSUES ISSUES ISSUES ISSUES ISSUES ISSUES ISSUES ISSUES
7.	I5. REST YOU'RE	23. FAREDCE
8. HEAD HEELS	VA DERS	24. KNEE UR FULL OF



Below you will find a series of Rebus Puzzles. (a riddle made up of words, symbols, pictures...etc) Often the answer is a well know saying, or phrase. Pay attention to repetition, placement, size, number...etc. The solution to a rebus is all in the details. Record your answer to the right. **Hint: if your solution feels random likely it is not the

solution. There tends to be an AHA moment when solving a Rebus! ©TeachingonLemonLane Name: 9. 17. NEAFRIENDED IRIEIA DII INIG 3. MIL ION 5. 6. DEDCONIALITY LEKOUINALTII 23. 15. MARY **FAIR** + MARY 24. 16. O_ER_T_O **NA7ENI** AID AID AID



THE NITTY GRITTY CONFUZZLER

Below are a mixture of puzzles, rebuses and brain teasers, all designed to make you look at things differently. The solution is often simple, however the process to find it is not. When stuck, consider asking yourself if there is another way you could look at the problem.

could look at the problem. ©TeachingonLemonLane Name: **EQUATION TRUE BY** ADDING ONLY ONE LINE. 2. WOULD YO RATHER HAVE A **CROCODILE AT** YOU O 3. VH1 REAL & 4. REARRANGE THE LETTERS IN: NEW D 0 0 R NOGAXEH TO MAKE ONE WORD. 5. YOUR WEALTHY UNCLE PUTS A SMALL COIN IN AN EMPTY IO. EXPLAIN THE PUZZLE: WINE BOTTLE AND REPLACES THE CORK, PROMISING YOU = FISH \$1,000.00 IF YOU CAN GET THE COIN OUT. HOWEVER IF YOU TAKE THE CORK OUT, OR EIGHT BREAK THE BOTTLE IN THE 7 = TRIANGLE PROCESS, YOU OWE HIM \$1,000. WHAT DO YO DO?



exactly the same amount and letters to create another word or phrase. Sometimes the pairs make sense, and are even related, other times they are simply gibberish. Anagrams are often used in literature as a way to give clues that often go unnoticed until revealed. (Harry Potter, The DaVinci Code, A Series of Unfortunate Events, and

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INVADES NEATLY

Exp: CAT = ACANAGRAM = NAG A RAM, STATUE OF LIBERTY = BUILT TO STAY FREE, LISTEN = SILENT, A GENTLEMAN = ELEGANT MAN,

> With the anagrams below you must solve the puzzle by finding a category each

piece of writing that doesn't use one or more letters. Exp: The novel "Gadsby" doesn't contain a single letter e!

HETEROGRAM: A word, sentence or phrase where a letter of the alphabet is only used once. One of the longest Heterogram contains 20 letters: **The big dwarf only jumps**.

group of words belong in. Name: MELON GO MAN 3. I GARD I MATCH TEA RAT SCREAM IT IS OLD CAUSES Make another Anagram or pick from one of the following word puzzles listed. Next, flip the page 8. YOUR TURN: A NEW HELLO over and try to create your own! PANGRAM: A sentence that "pans" the entire alphabet.
Meaning every letter of the alphabet is used in the sentence.
Exp: The quick brown fox jumps over the lazy dog. TIS CHARMS **TEASER** LIPOGRAM: Different from a pangram, a lipogram is a longer

SERITION OF THE NITTY GRITTY CONFUZZLER CHALLENGE#4

THE NITTY GRITTY CONFUZZLER ANSWER KEY

Name:

I. SECRET	TOP SECRET	9. YOUR TIME	YOUR TIME IS UP	I7. HOROBOD	ROBIN HOOD
SECRET			- C >		\rightarrow
2. GIVE GET GIVE GET GIVE GET	FORGE	SECO EGS G/ES GSG	SCRAMBLED EGGS.		POTATOES
	MISSING YOU	n^{I}	NTICK AROND	19.	SCATTER BRAII
H. COVER K			A		A GUN
11777					
5. LADY LADY	L				UP IN SMOK
LADY LADY 6. YOUR C YOUR	SELF SEE FO SELF SELF	WOKUS		LS ISSUES LSSUES ISSUES ISSUES ISSUES ISSUES ISSUES ISSUES ISSUES	
LADY LADY 6. YOUR C YOUR YOUR	SELF SEE FO SELF SELF	I5. REST YOU'RE	YOU'RE UNDER ARREST	ISSUES ISSUES ISSUES ISSUES ISSUES ISSUES	TENNIS SHOES



THE NITTY GRITTY CONFUZZLER

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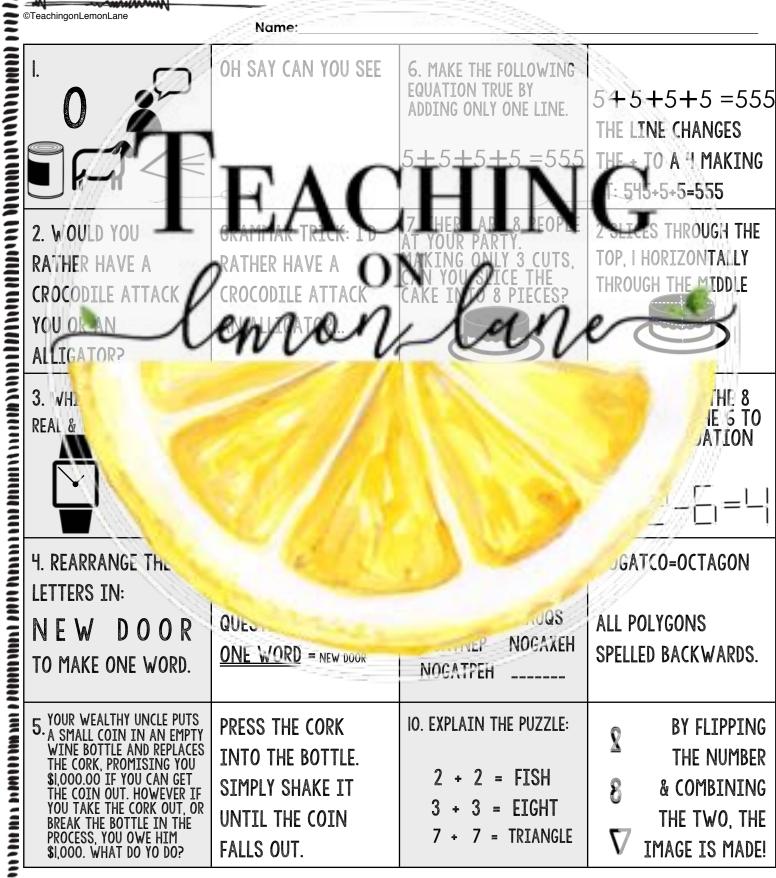
Name:

I.	I'M ON TOP OF THE WORLD	9. NEAFRIENDED	A FRIEND IN NEED	KNEE LIGHTS	NEON LIGHTS
			\longrightarrow		$\leftarrow \leftarrow \rightarrow$
2. IRIEIA!DIIINIGI	REDING BETWEEN THE LIN B	A TE	STRAWBERRY LEMO ADE		CONFLICT OF INTEREST
3. SAND	len		AND A HEDSPOT	19.	LINE UP IN ALPUSETICAL ORDER
4.			17.78	-	ID ENDS
MIL 10N					E RIGHT BACK
10		611			
6.	SPLII	6	7		
EKOUIVALTII CEKOUIVALTII	SPLII			2	BACK TO SQUARI ONE
DEDCUNIALITY		15.	BALANCED MEAL	23.	
LEKONIAUTTII			BALANCED MEAL		
DEDCANALTI 7.		15.	BALANCED MEAL	23. MARY	ONE



THE NITTY GRITTY CONFUZZLER ANSWER KEY

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exactly the same amount and letters to create another word or phrase. Sometimes the pairs make sense, and are even related, other times they are simply gibberish. Anagrams are often used in literature as a way to give clues that often go unnoticed until revealed. (Harry Potter, The DaVinci Code, A Series of Unfortunate Events, and

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anagram = nag a ram, statue of liberty = built to stay free, Exp: THEY SEE GENTLEMAN = ELEGANT MAN, NIGHT = THING

With the anagrams below you must solve the puzzle by finding a category each group of words belong in.

THE THE PROPERTY OF THE PROPER Name: SCHOOL MELOA 5. CISSORS. MAN 2 BALL 3. I GAR REAM VORS: I MATCH TEA ANILLA. BUBBLEGUM. RAT COOKIES AND CREAM SCREAM IT IS OLD CAUSES 8. YOUR TURN: A NEW HELLO LI.

TIS CHARMS TEASER **INVADES NEATLY**

HOLIDAYS: HALLOWEEN, CHRISTMAS. **EASTER** VALENTINE'S DAY Make another Anagram or pick from one of the following word puzzles listed. Next, flip the page over and try to create your own!

PANGRAM: A sentence that "pans" the entire alphabet.
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THE NITY
GRIBBIFR

breaking your

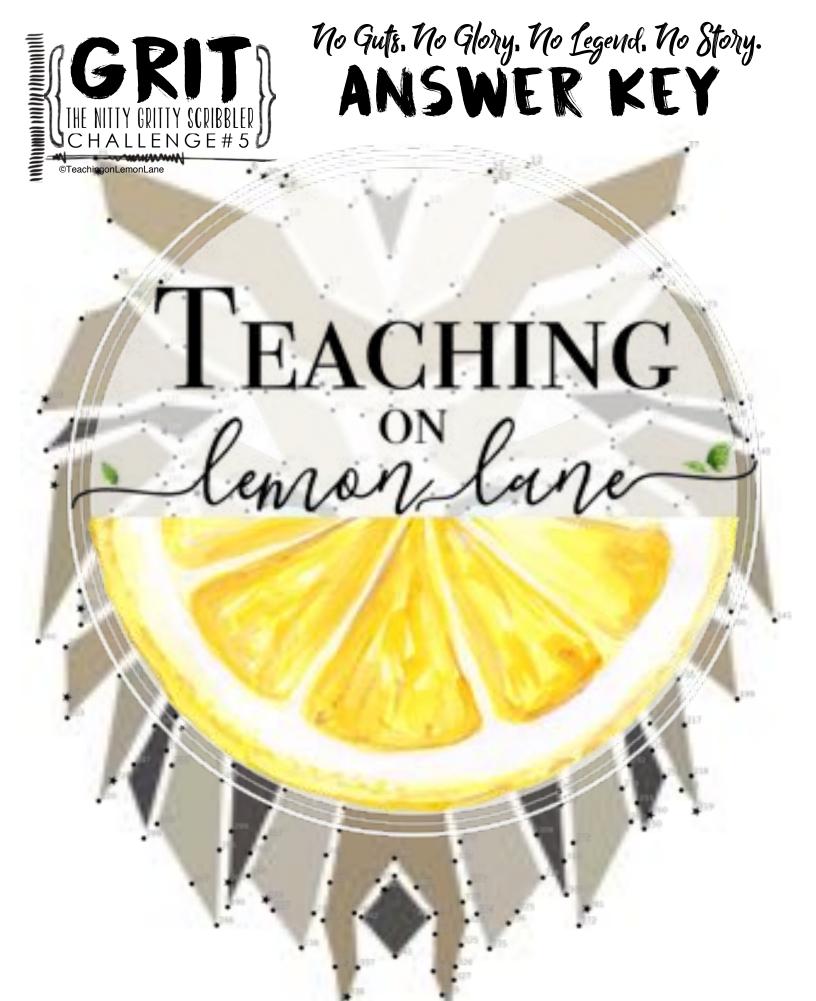






No Guts. No Glory. No Legend. No Story.

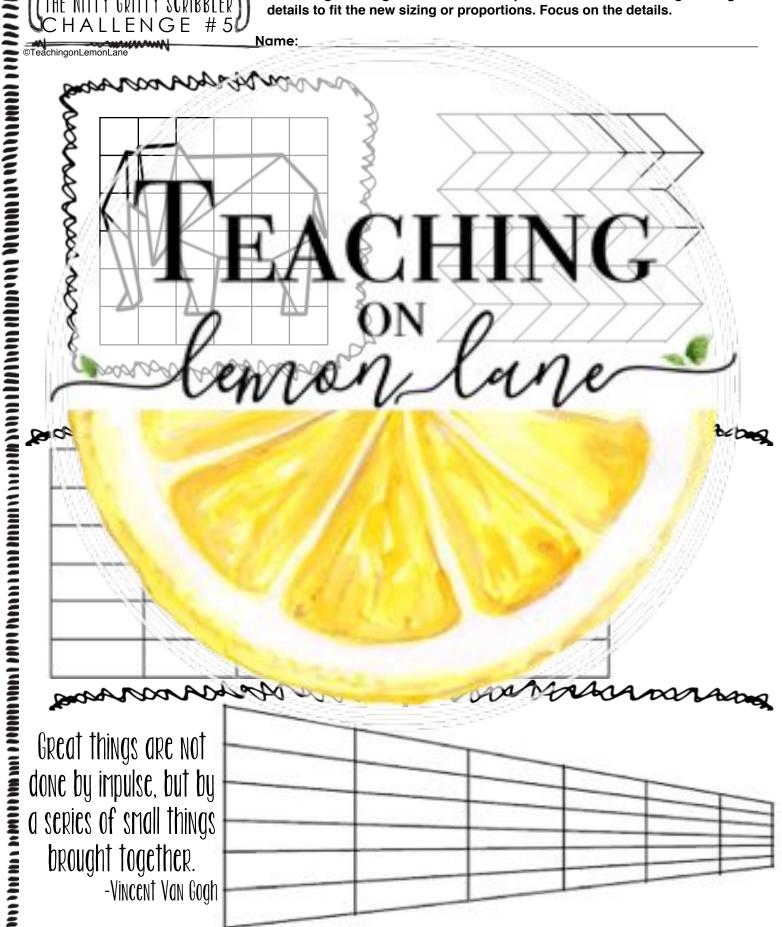
TEACHING OPEN THE SEPARATE PDF FROM THE MARKET MESON.





THE NITTY GRITTY SCRIBBLER

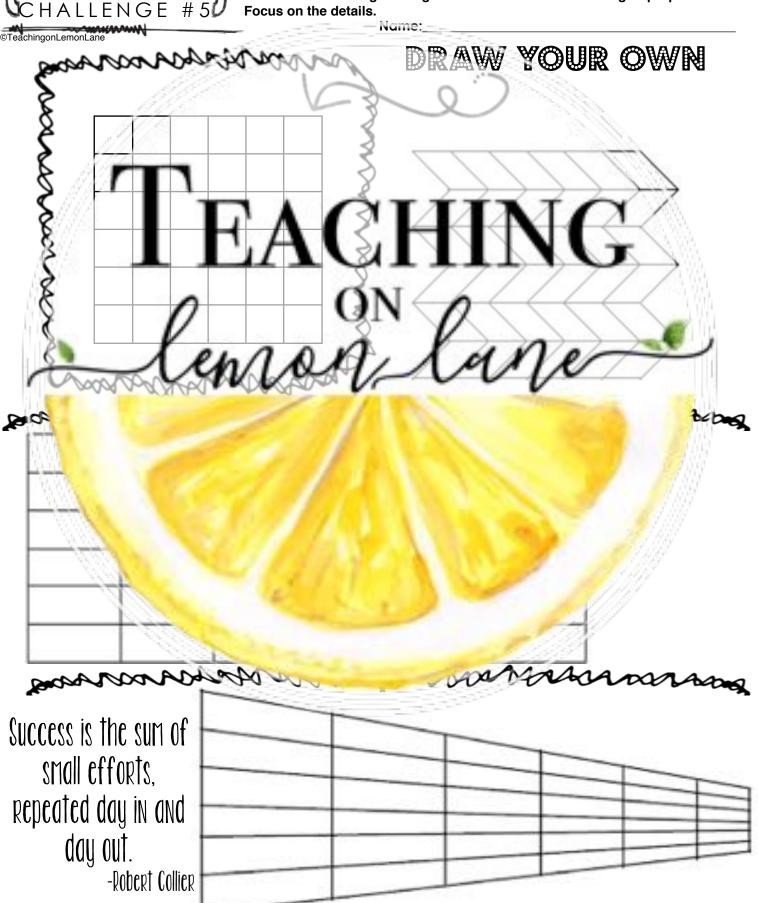
Recreate the image in the square grid, on the distorted grids to give a new look to the original image. Focus on each square one at time matching the original details to fit the new sizing or proportions. Focus on the details.





TIY GRITIY SCRIBBI

Draw your own image in the square grid, the recreate your image on the distorted grids to give a new look to the original image. Focus on each square one at time matching the original details to fit the new sizing or proportions.

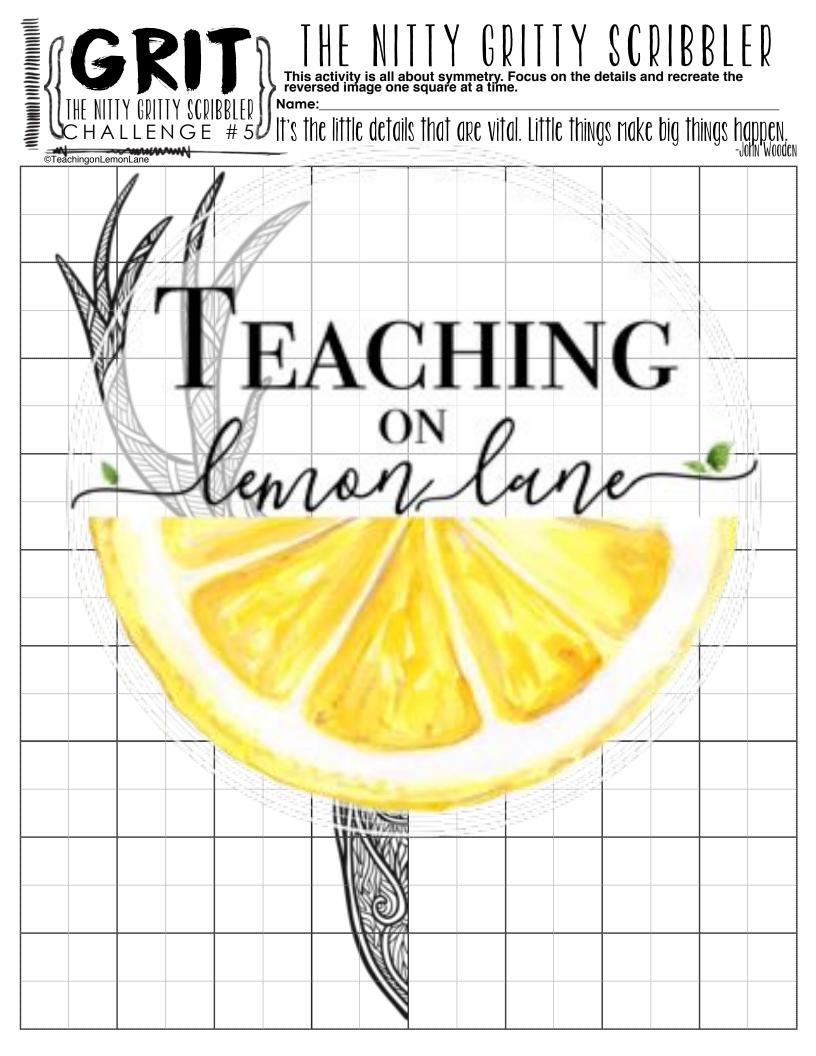


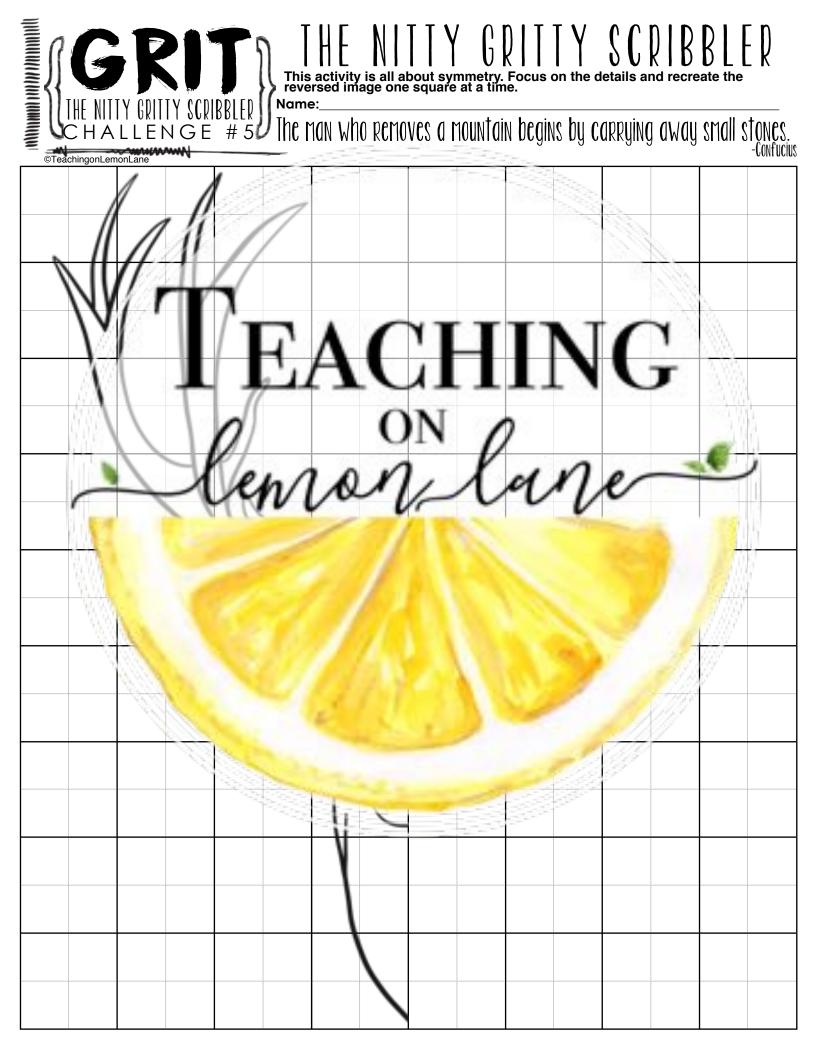


This activity is all about symmetry. Again focus on the details and recreate the

reversed image one square at a time.









Using a single line to connect the dots below, how many squares can you find? Rules: All 4 sides of the square must be equal, no rectangles or rhombuses.

Name

"REMEMBER THAT GUY THAT gave up? Neither does anyone else.

-Unknown

L'EACHING lemon lane

GRITINGE #5

THE NITTY GRITTY SCRIBBLER ANSWER KEY

Name:

= NUMBER OF SQUARES



Below you see the "Impossible Envelope". Your challenge is to simply recreate the image, but you must adhere to the rules! RULES: No overlapping lines, No lifting your pencil from the paper, no intersecting lines (your lines can't cross over each-other) You can only draw the line once.

It's not that I'm so smart, it's just that I stay with problems longer."

- Albert Einstein

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THE NITTY GRITTY SCRIBBLER ANSWER KEY

POSSIBLE SOLUTION

TEACHING

*** REMEMBER NO CROSSING
THROUGH THE CENTER



RULES: No overlapping lines, No lifting your pencil from the paper, You can only draw the line once.

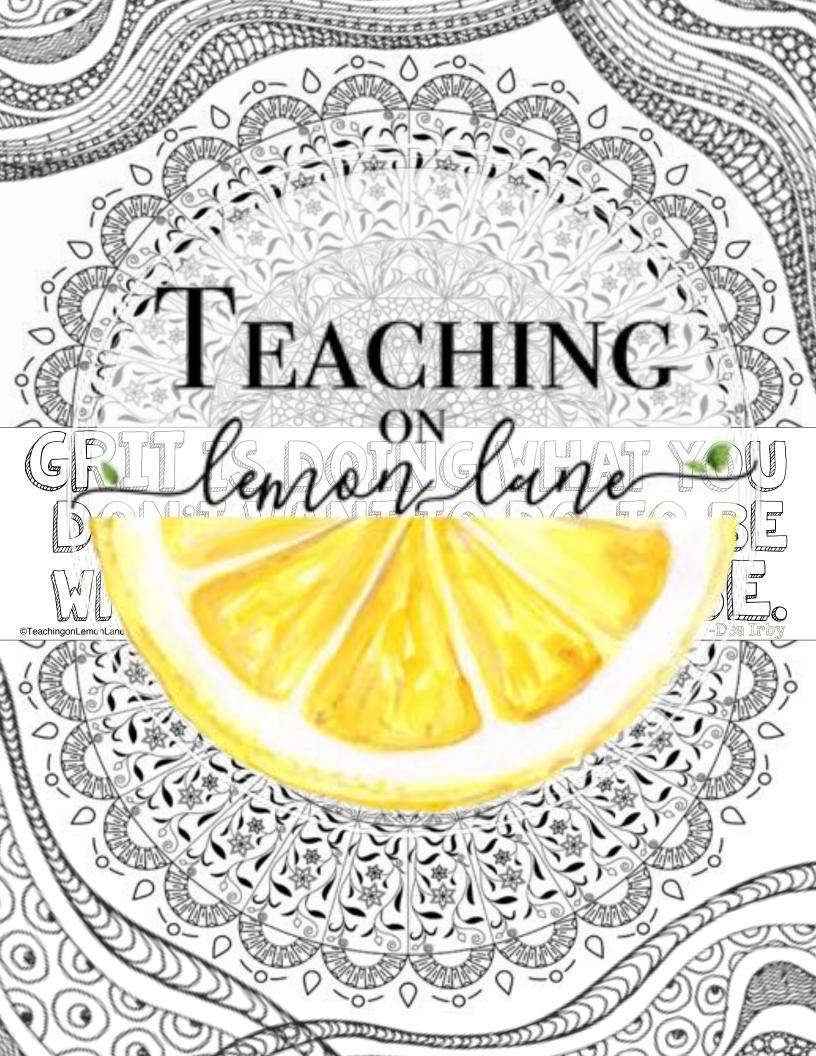
Name: ©TeachingonLemonLane woodson "Many of life's failures are people who did not close they

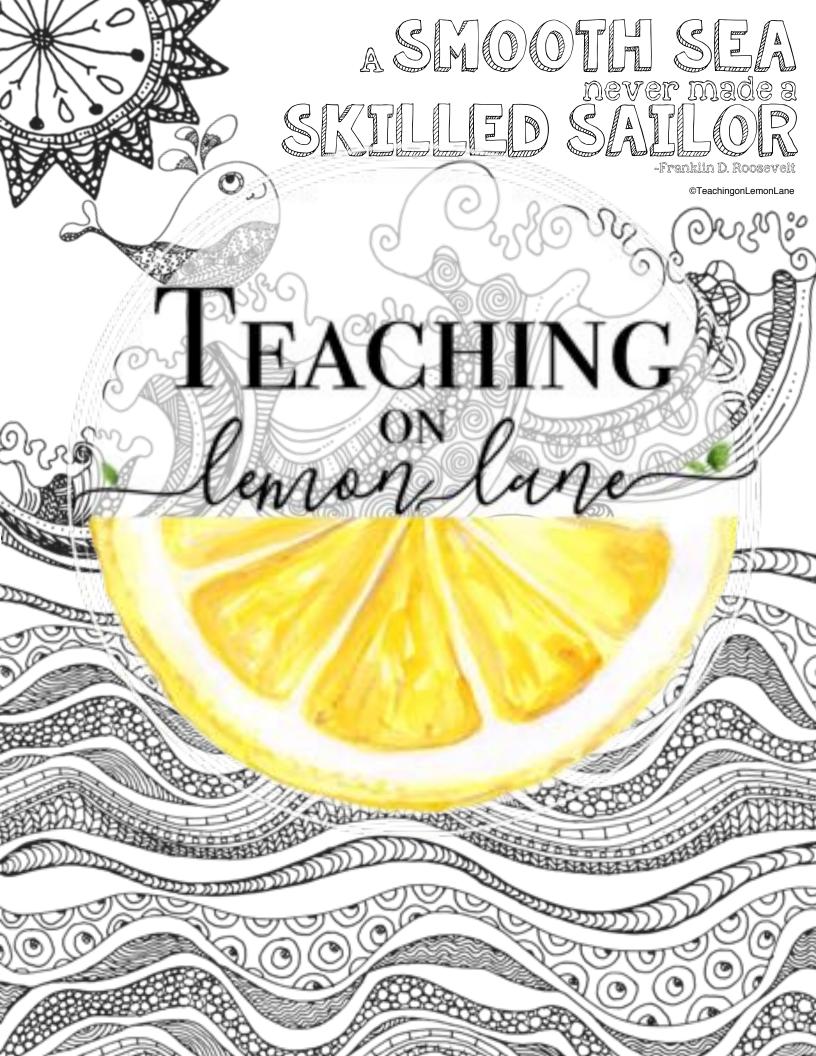
THE NITTY GRITTY SCRIBBLER ANSWER KEY

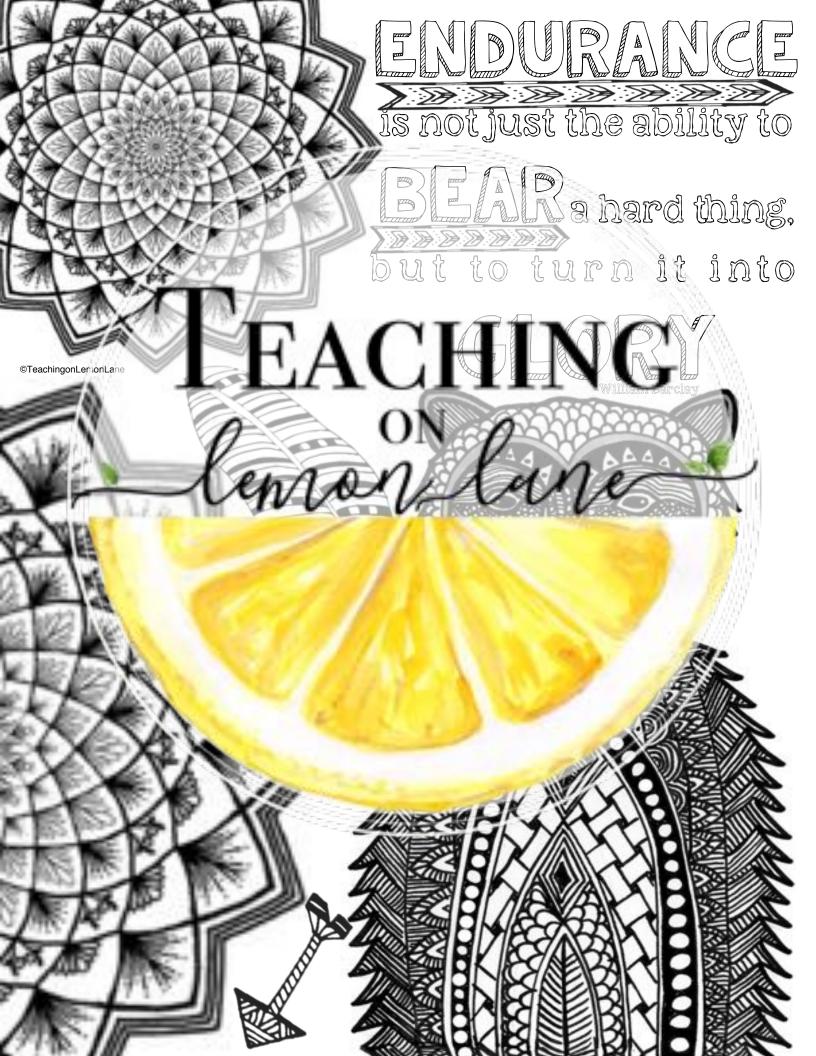
POSSIBLE SOLUTION

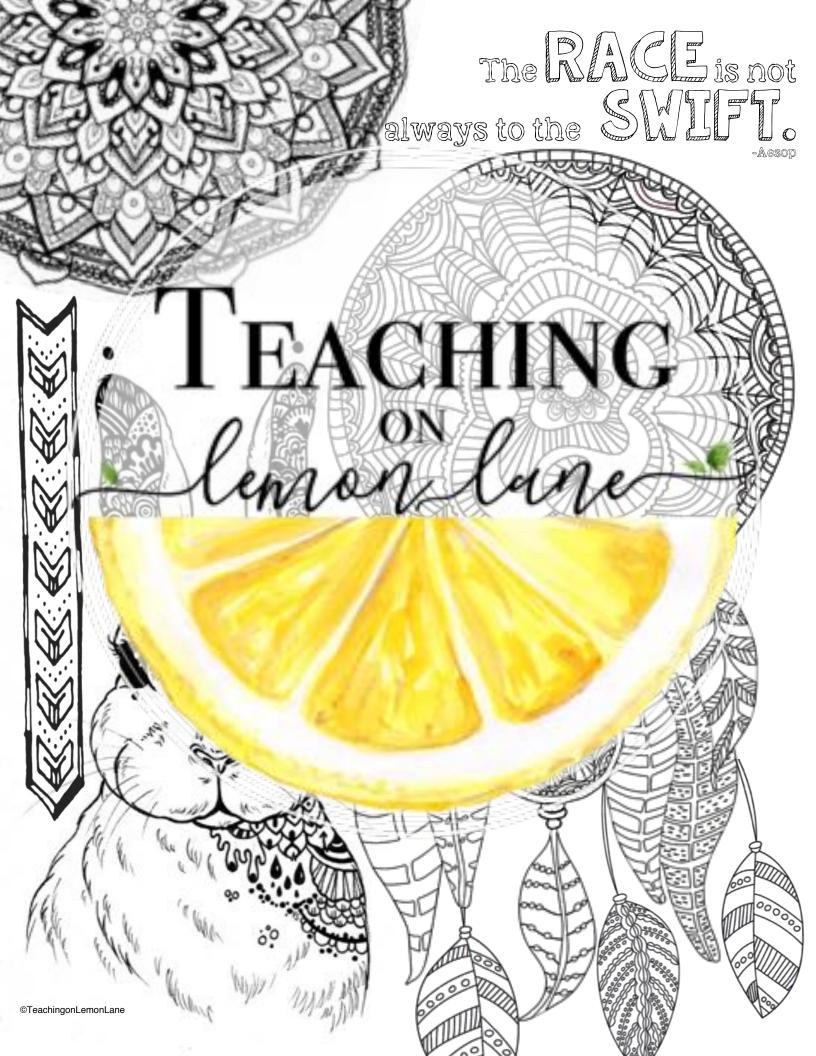
TEACHING lemon lane

REMEMBER THEY CAN ONLY DRAW THE LINE ONCE, NO REPEATS OR LIFTING THEIR PENCIL

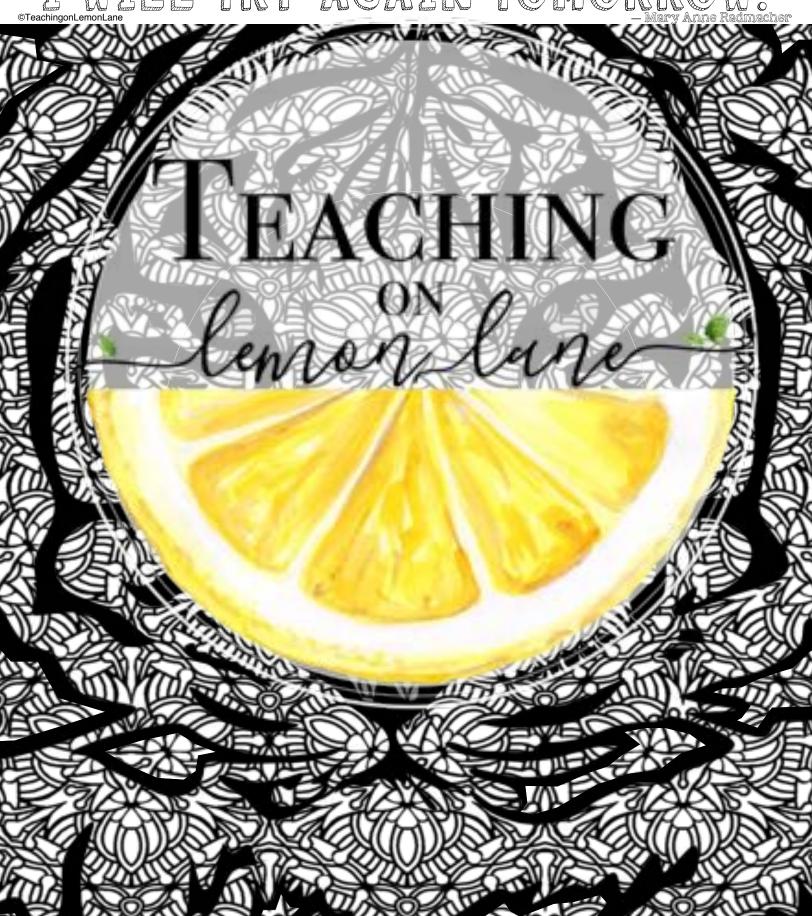








COURAGE does not always ROAR. Sometimes courage is the quiet voice at the end of the day saying. I WILL TRY AGAIN TOMORROW.







The Grid method has been used by artists for centuries! Even the great Leonardo da Vinci used it! The great thing about the Grid Method is it breaks

the subject into small manageable tasks, almost like a puzzle. One square at a

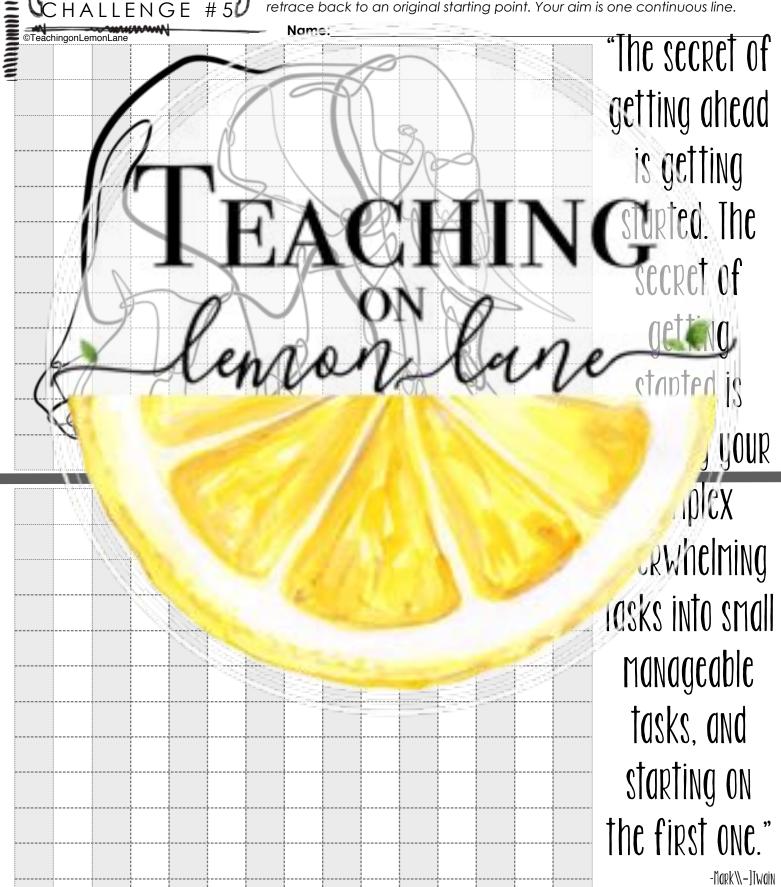
time recreate the details of each square.

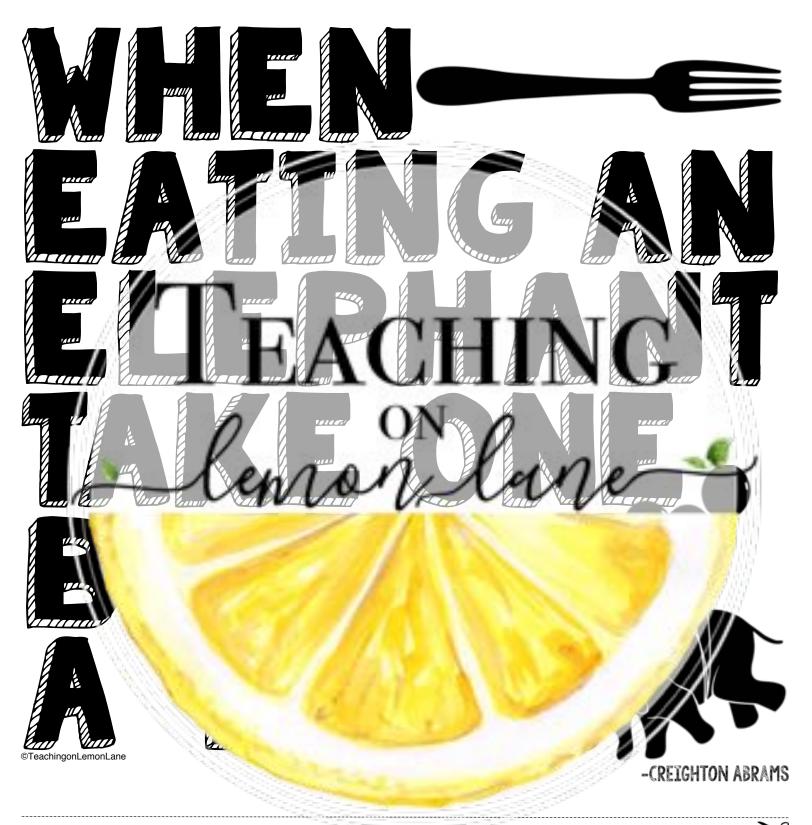
[ake small stops every day and one day you will get there. Name: CHING



THE NITTY GRITTY SCRIBBLER

This incredible illustration was made with a single continuous line. Can you recreate it. This knot illustration gets a little messy, begin by finding the original path. Complete the image without having to repeat any of the lines, or retrace back to an original starting point. Your aim is one continuous line.





DISCUSSION QUESTIONS:

HOW DOES THIS QUOTE AND THE ACTIVITIES RELATE TO GRIT? GROWTH MINDSET? GOALS?

WHAT IS SOMETHING BIG YOU WANT IN YOUR OWN LIFE? WHAT IS A DREAM THAT IF YOU PUT IN THE WORK COULD COME TRUE?

WHAT CAN YOU DO NOW TO MAKE THIS DREAM COME TRUE?

DISCUSS SMART GOALS.



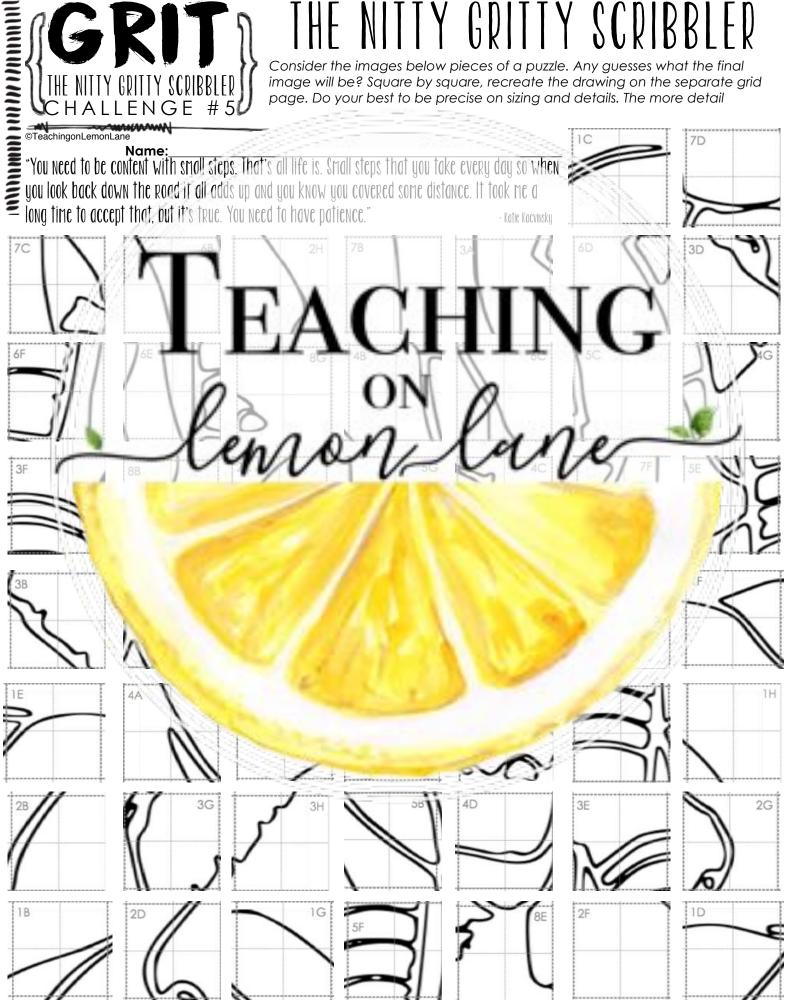
THE NITTY GRITTY SCRIBBLER ANSWER KEY





THE NITTY GRITTY SCRIBBLER

Consider the images below pieces of a puzzle. Any guesses what the final image will be? Square by square, recreate the drawing on the separate grid





THE NITTY GRITTY SCRIBBLER

This is your draft page. Recreate the images found on the mixed piece page. One square at a time match the number and letter to the square to find its location. Pay attention to sizing. The more precise you are the better the final result.

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We need to be reminded that in total and over a significant period

of time seeminal small things bring to pass great things -nally hook

of time, seemingly small things bring to pass great things. 1B EBACHING 2A 3A 4A 5A 6G 6H 7A 7В 7C 7D 7F 7G 7H 88 88 8C 8D 8E 8F 8G





THE NITY
GRITY
THINGAMAJIG



Term Physical Goal<>Magic Paper<>Felt Braid

Magic< >Paper Walk< >Tangled Rope & Bead<

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