

<html><head></head><body><pre style="word-wrap: break-word; white-space: pre-wrap;">

[Jul 31, 2:21 PM] Pam B: Read the problem at least 2x

[Jul 31, 2:21 PM] Guest1010: Divided dimensions by 4

[Jul 31, 2:21 PM] Blaine Carlsen: I drew my own picture and added my own dimensions in terms of number of tiles.

[Jul 31, 2:21 PM] zennedmath: Figured out the area of the whole figure

[Jul 31, 2:22 PM] Pam B: Tried to figure out the measurements of the cut out or the sink

[Jul 31, 2:23 PM] Guest2089: Read and re-read the question(s).

[Jul 31, 2:24 PM] Debbie Mendelson: Read the entire problem.

[Jul 31, 2:25 PM] Guest4494: First I determined how many tiles would need to fill the 28 x 60" rectangle at the top.

[Jul 31, 2:28 PM] Bobby Song: I looked at what side was divisible by 4 and also labeled missing information on sides

[Jul 31, 2:29 PM] Jennifer Bearss: Each day grows by one square....wonder will this pattern continue?

[Jul 31, 2:31 PM] Guest4494: The number of squares in the middle is the same as the number of days.

[Jul 31, 2:31 PM] Debbie Mendelson: I also noticed that it grew by one square. I wonder why the representation is using triangles vs. just squares.

[Jul 31, 2:31 PM] MFAnnie: Thanks for sharing, folks!

[Jul 31, 2:32 PM] Guest4494: I wonder if you will ask how many squares or triangles it will it take to complete the pattern on a certain day.

[Jul 31, 2:32 PM] Guest1969: Hi Annie!

[Jul 31, 2:33 PM] MFAnnie: Hi, everyone! Looking forward to see what y'all share in the chat.

[Jul 31, 2:34 PM] Bobby Song: I notice the worm is growing by 2 triangles or a square each day

[Jul 31, 2:34 PM] Bobby Song: I wonder how long will this worm get?

[Jul 31, 2:36 PM] Guest4494: I think the one on the right is from younger students - 2nd grade

[Jul 31, 2:37 PM] Renee Bailey : Good Afternoon

[Jul 31, 2:40 PM] Guest3970: Broke up the floor in two rectangles

[Jul 31, 2:40 PM] Elaine J: Looking forward to connecting and learning:)

[Jul 31, 2:45 PM] Guest9908: Found the area of the two rectangles that I cut the space into.

[Jul 31, 2:47 PM] James Eliot: found unmarked walls perimeters

[Jul 31, 2:48 PM] Diane Gunlock: Read the problem.

[Jul 31, 2:52 PM] Guest9908: the ends are triangles, all pieces are triangles, but the interior is made of two triangles to make a square, each day the worm grows by one square Wondering: is this the pattern that it will grow only by one square a day

[Jul 31, 2:52 PM] zennedmath: Never thought of presenting KenKen that way.

[Jul 31, 2:53 PM] MFAnnie: @zennedmath: Right? And once you think about that, think about how many other things you could present that way, making the students do work right off the bat.

[Jul 31, 2:57 PM] Guest9908: first poster on left 5th, and left 2nd

[Jul 31, 2:59 PM] MFAnnie: @Guest9908 Can you say something about how you decided?

[Jul 31, 3:03 PM] Debbie Mendelson: I used to have a bulletin board that was an "I Wonder..." board and children could draw or write or dictate things they were wondering about and we could research and investigate. Should do it again! :)

[Jul 31, 3:05 PM] ChristyHarper: For the math problem at the beginning, I began by getting a total number of tile for entire square. 60x60. then I took out the sink area.

[Jul 31, 3:07 PM] MathSnack: Looked at the area of the entire rectangle as if it were whole.

[Jul 31, 3:08 PM] Debbie Mendelson: I teach K and I definitely will use the idea of changing a story problem to a scenario-removing the question and incorporating the noticing and wondering conversation.

[Jul 31, 3:08 PM] Guest3970: Has anyone else's session froze?

[Jul 31, 3:08 PM] MFAnnie: I think it's the planned think time :-)

[Jul 31, 3:09 PM] Guest3970: It stopped in the middle of a sentence

[Jul 31, 3:10 PM] Lani Love: I definitely would like to implement this in my class ! My school will be using CGI this year and I was wondering how does fit in with Notice and Wondering?

[Jul 31, 3:11 PM] MFAnnie: @Lani Love, throw out some ideas about the ways in which you think it might fit.

[Jul 31, 3:12 PM] Bobby Song: I did this only a few times in math, and I never knew it could be applied to more subjects. I think I will do this more often with math, and then find a way to plug this into ELA slowly

[Jul 31, 3:13 PM] MFAnnie: @Bobby Song, cool! I'm guessing you probably "do" it in ELA, but not with that explicit language?

[Jul 31, 3:13 PM] ChristyHarper: The worm is made up of triangles (exact same size) and seems to grow the exact same length each day.

[Jul 31, 3:14 PM] Lani Love: @ MFAnnie I was thinking when I introduce the problem maybe that is a way to get my students talking. I teach SWD grades 3-5 and many are not use to communicating their mathematical reasoning,

[Jul 31, 3:14 PM] MFAnnie: @Lani Love, it strikes me that since student thinking is at the core of CGI, any strategies you have to elicit student thinking is going to be a win.

[Jul 31, 3:16 PM] Lani Love: @MFAnnie True!

[Jul 31, 3:16 PM] Lani Love: Thanks!

[Jul 31, 3:18 PM] MFAnnie: @Lani Love, as you know, it's not just your SWD who aren't used to communicating! I have done #NoticeWonder with many SwD (self-contained and inclusion), and they almost always have tons of very mathematical and relevant ideas!

[Jul 31, 3:26 PM] Guest6863: the worm grows by one square each day, which has two right angle triangles

[Jul 31, 3:27 PM] gawilson: I converted dimensions to 15X15 - $60/4 = 15$...because I noticed it was a square with a chunk missing and $4in = 1$ tile.

[Jul 31, 3:29 PM] Guest9908: Launching new units a great way to get them thinking about what they already know then ask questions about what they want to learn.

[Jul 31, 3:30 PM] James Eliot: I will start off with Notice/Wonder about the classroom layout the first day

[Jul 31, 3:30 PM] MFAnnie: @Guest9908 And, I would suggest, a great way for you to learn some things about what they know/realize about something!

[Jul 31, 3:33 PM] Elaine J: I definitely plan on using at least 2 Three Act Tasks for each unit; one at the start and one in the middle. I also see Notice/Wonder working well in the first week of school--to develop Growth Mindset and MP #1. Those are my first steps. Thank you Annie (and thank you Christina)!

[Jul 31, 3:34 PM] Diane Gunlock: I will use the notice and wondering with my students beginning the first day. As we learn about the tools, expectations, rules and how we do things in our room, we will talk about what we notice and wonder.

[Jul 31, 3:34 PM] MFAnnie: Thanks @Elaine J. Sounds like a good plan for first steps. Let us know how it works. (And with Act 1 of a Three Act Task, you're basically asking them to Notice and Wonder!)

[Jul 31, 3:34 PM] gawilson: two triangles on the end don't change, middle is made of squares formed by two triangles but number os squares increase by one

[Jul 31, 3:34 PM] Diane Gunlock: Thank you Annie, you have awakened a new way of approaching learning.

[Jul 31, 3:35 PM] Diane Gunlock: Thank you Christina it has been a great first day!

[Jul 31, 3:36 PM] MathSnack: Thanks, Annie. I am a die-hard "Notice and Wonder" advocate and user since seeing your very first presentation on the topic many years ago. Thanks for a strategy that is so easy to implement, yet incredibly powerful throughout the entire school year as the process matures within the classroom.

[Jul 31, 3:42 PM] MFAnnie: @Diane, I'm glad to hear I've been a positive influence! I hope to hear stories from you as the school year starts.

[Jul 31, 3:43 PM] MFAnnie: @MathSnack, glad it has been such a powerful tool for you for so long. I'd love to hear some stories!

[Jul 31, 3:44 PM] ChristyHarper: I appreciate this session so much. I have been involved in Pre-K for several years as a teacher, then a coach and now a teacher again. I have always intentionally used noticing and wondering in most every part of our day... except math. I don't really know why that is. I have approached it as "right or wrong". "Here is the problem. Here is the solution." WOW!!! What an awesome new lens I now have for math!!! Thanks!!!

[Jul 31, 3:45 PM] MFAnnie: @ChristyHarper, that's a great observation! We often think that our "role" during literacy is different than our role during math...but aren't we just teaching? Why is it different? How can we make them more alike, bit by bit?

[Jul 31, 3:49 PM] ChristyHarper: I will have a N/W area in my pre-K classroom just as each child and parent come in the door. Give them a picture or a sketch to think about and discuss together as they are putting backpacks and jackets away before parents leave them for the day. I LOVE THIS!!!

[Jul 31, 3:52 PM] MFAnnie: @ChristyHarper I love the idea of including parents in that way. And usually students are curious what the adults think.

[Jul 31, 3:56 PM] ChristyHarper: Absolutely!! THANK YOU FOR TAKING THE TIME FOR THIS!!!

[Jul 31, 3:56 PM] Guest6016: Wonderful ideas. Thank you!!

[Jul 31, 3:57 PM] Renee Bailey: Yes kids want the answer quickly and not really thinking about what this problem is asking you

[Jul 31, 3:58 PM] MFAnnie: You're welcome, @ChristyHarper and @Guest6016. I look forward to hearing more from you in September after you've launched some of your ideas.

[Jul 31, 3:58 PM] ChristyHarper: I will definitely be checking out your blog and also using other resources you shared. Wishing you well as the summer comes to an end and everyone's school year begins :)

[Jul 31, 3:59 PM] Renee Bailey: I will be checking out your blog

[Jul 31, 4:02 PM] Ivan Remus: Me too.. Thank you for your insight...

[Jul 31, 4:03 PM] Guest6863: I like the idea of using N/W to introduce new topics or concepts: excited to try it from this fresh lens.

[Jul 31, 4:04 PM] matienda: Omg...notice/wonder getting me inspired for a totally different type of social justice problem...Gotta write this down!

[Jul 31, 4:13 PM] MFAnnie: Gosh @mtienda, I want to hear more about that for sure! Please let me know what you're thinking about.

[Jul 31, 4:30 PM] gawilson: I saw 3D Set game on Pinterest that looked like something to try out some indoor recess day!

[Jul 31, 4:35 PM] Guest1846: Great idea to have your students Notice and Wonder right before

When...will give them something purposeful to discuss.

[Jul 31, 4:36 PM] gawilson: Love the pre-lunch idea.

[Jul 31, 4:44 PM] gawilson: I started notice and wonder on a fairly regular basis the last half of the year. At a new school this year and am planning to hit the ground running the first day of school. It was so powerful!

[Jul 31, 4:49 PM] matienda: Annie: I loved the idea of using N/W to become CONSCIOUS about something--to make sense of the problem first! This idea of being "conscious" led me to social justice, then I started wondering how I could use this idea in a talk I'm putting together on a culturally responsive classroom. Any other thoughts you might have would be most welcome.

#Access

[Jul 31, 6:12 PM] Karen Schweitzer: Do you ever do NW in the middle of an investigation - to share where people are and then go back and do more?

[Jul 31, 8:16 PM] Guest3312: I multiplied 28x60

[Jul 31, 8:23 PM] Guest3312: The worm grows each day

[Jul 31, 8:24 PM] Guest3312: Another box (2 triangles) is added to the middle each day

[Jul 31, 8:24 PM] Guest3312: I wonder if the pattern will continue

[Jul 31, 8:25 PM] Guest3312: I wonder what 3 1/2 day worm looks like

[Jul 31, 9:14 PM] Martin Knight: Love ken ken

[Jul 31, 9:29 PM] Jeri Ayala: I love N/W!

[Jul 31, 9:29 PM] Martin Knight: Love this and notice and wonder

[Jul 31, 9:34 PM] tweeting_melody: I love that I can didn't have to watch live so I can now love all of this!

[Jul 31, 9:35 PM] Lisa Eller: This is awesome! I can't wait to use this idea when solving tasks ... I can totally see using this strategy with my RtI kids!

[Jul 31, 9:38 PM] tweeting_melody: It works well with Choral Counting! :)

[Aug 1, 6:15 AM] Staci Gross Thurwalker: First I found the area of the space

[Aug 1, 6:21 AM] Staci Gross Thurwalker: worm is growing by a pattern

[Aug 1, 6:26 AM] Staci Gross Thurwalker: 3rd grade

[Aug 1, 6:42 AM] Staci Gross Thurwalker: love the idea of taking away the question and having them just draw what they read

[Aug 1, 6:58 AM] Guest4427: I notice there are 4 triangles in the first worm, 6 triangles in the second worm, and 8 triangles in the third worm. I wonder if the 4th worm will follow the pattern of increasing by 2 and have 10 triangles.

[Aug 1, 9:20 AM] Guest296: I plan to use Notice/Wonder with the teachers as we analyze student data and plan for future instruction.

[Aug 1, 10:23 AM] Brenda: Love the examples from different grades

[Aug 1, 10:37 AM] themathgirl: Love this...

[Aug 1, 10:39 AM] Brenda: great idea to use for examining student work in a PLC

[Aug 1, 10:46 AM] Brenda: how to use:

[Aug 1, 10:46 AM] Brenda: picture of a classroom all set up

[Aug 1, 10:46 AM] Brenda: picture of your students

[Aug 1, 10:46 AM] Brenda: picture of your grade level team

[Aug 1, 10:47 AM] Staci Gross Thurwalker: I can see using this in several ways. one being introducing a new topic....see what they can tell you about it before it's taught. Also with GT students. Challenge them in this way

[Aug 1, 12:11 PM] coolteacher2: KenKen is something very new to me...I didn't understand until I drew it...then notices the dark/light lines. Can't wait to try this with my grade two kiddos

[Aug 1, 4:17 PM] pearse_margie: @mfAnnie rocks!

[Aug 1, 4:20 PM] Jenny:I need to join Twitter!.....

[Aug 2, 6:07 AM] beekeeperHPS6: There are three parts

[Aug 2, 6:08 AM] beekeeperHPS6: Head body tail

[Aug 2, 6:09 AM] beekeeperHPS6: The body portion increases by two

[Aug 2, 6:09 AM] valerie thomason: Smallest amount of coins.

[Aug 2, 6:32 AM] valerie thomason: I tutor K-8th and can use this when I introduce their new materials! Love all your ideas!

[Aug 2, 1:27 PM] Guest7130: found the missing part

[Aug 2, 2:03 PM] Guest7130: Absolutely right. There are many things I did before I found x.

[Aug 2, 2:03 PM] Guest7130: Thanks for slowing me down

[Aug 2, 2:05 PM] Guest7130: triangles, increases by 1 square/2 triangles each day, the worm grows pretty fast, the "worm" is green, represented by shapes

[Aug 2, 2:06 PM] Guest7130: wonder: what the purpose of the problem, are we working with shapes or quantity

[Aug 2, 2:06 PM] Guest7130: or measurement

[Aug 2, 2:07 PM] Guest7130: This is a constant in Kinder. We work really hard to ONLY write down or repeat what the students say

[Aug 2, 2:09 PM] Guest7130: (L)- kinder: very literal thinking

[Aug 2, 2:10 PM] Guest7130: (R)- trouble reading it, SORRY

[Aug 3, 3:02 PM] Nan: Hi Annie! Can't wait to hear your talk:)

[Aug 3, 3:52 PM] Nan: As a math coach, take pictures of teachers' rooms and scenes around the schools and then post for teachers to use with students to notice and wonder.

[Aug 3, 4:25 PM] Guest5566: Oh my goodness...so true on the I have the answer kids and the struggling kids

struggling kids.

[Aug 3, 4:41 PM] Guest5566: I cannot wait to use Notice and Wonder in PreK. They notice EVERYTHING!

[Aug 5, 3:09 PM] Guest1763: How often should you lead a Notice and Wonder session with fourth grade students?

[Aug 5, 6:42 PM] Guest1405: read problem

[Aug 5, 6:42 PM] Guest1405: gets bigger each day

[Aug 5, 6:49 PM] Guest1405: take pictures of activities and ask students

[Aug 6, 9:57 AM] Erin Marie: measurement; gets bigger each day; geometry triangles length

[Aug 6, 10:15 AM] Erin Marie: good reminder about relationships being important in math

[Aug 6, 1:38 PM] Guest5429: here

[Aug 6, 5:04 PM] Bonnie Cassivi Murphy: Minus out the sink part which does not need to be tiled

[Aug 6, 5:10 PM] Bonnie Cassivi Murphy: progression by 1 square

[Aug 6, 5:14 PM] Bonnie Cassivi Murphy: kindergarten and first

[Aug 6, 5:46 PM] Bonnie Cassivi Murphy: Many patterns on the calendar I ask each day what the children notice....no answer is right or wrong.

[Aug 6, 5:47 PM] Bonnie Cassivi Murphy: I would like to do a what do you notice picture each morning to get the children thinking. Maybe it would have to do with our theme or just a fun picture to get everyone thinking.</pre></body></html>