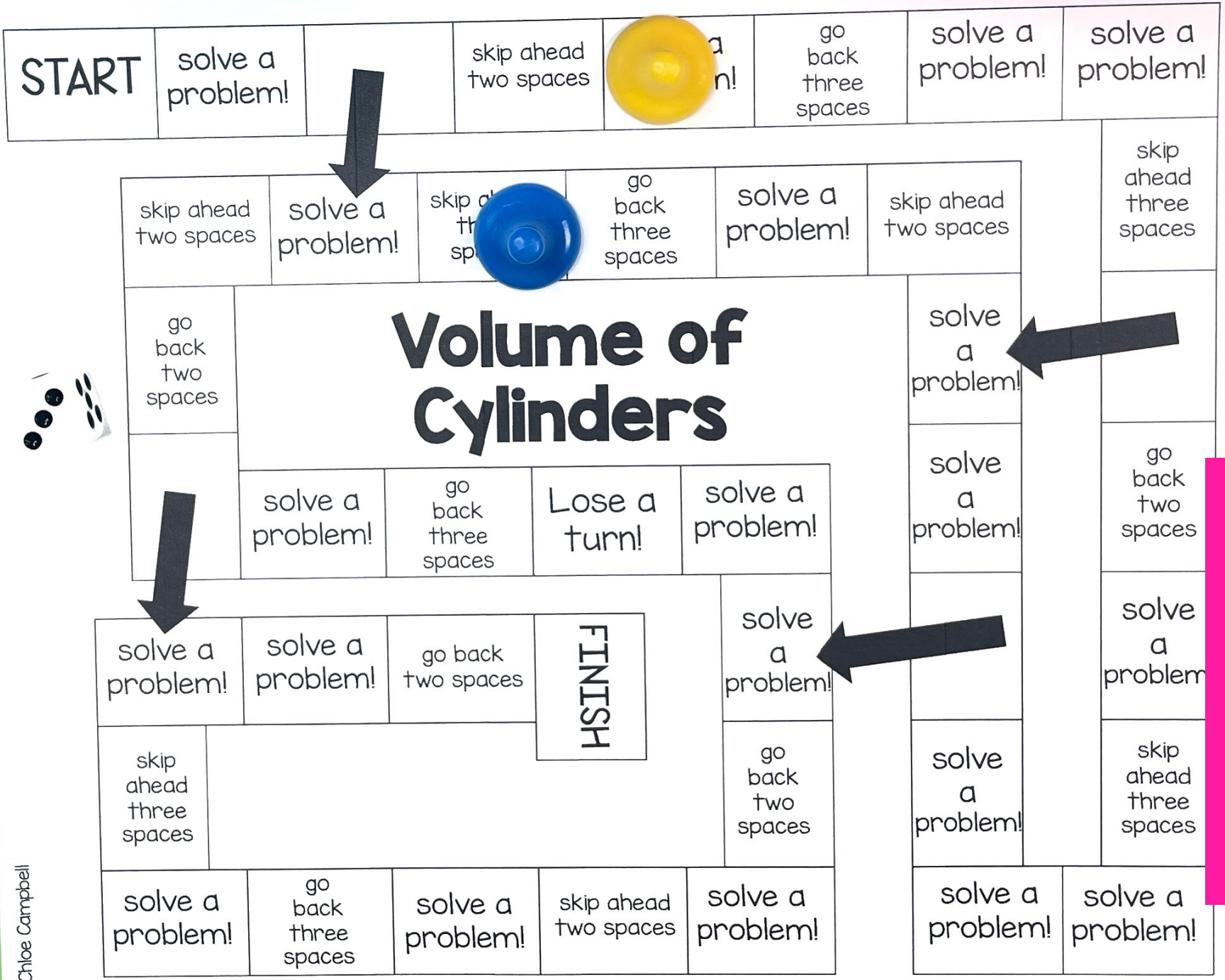
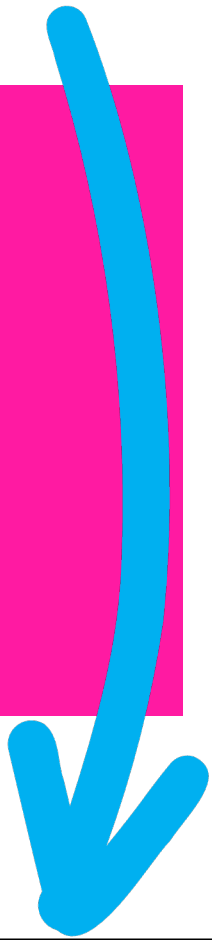


Volume of Cylinders



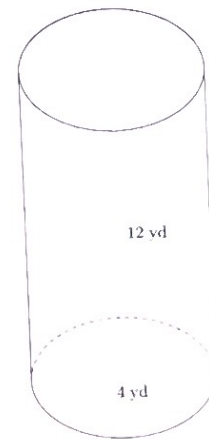
SCROLL
to take a look inside!



20 Problems Included:

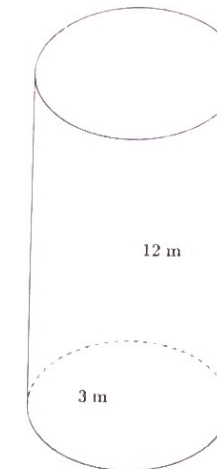


Approximating π as 3.14, find the volume of the cylinder given the height and diameter shown. The figure is not to scale. Round your answer to the nearest hundredth of a cubic yard.



10

Approximating π as 3.14, find the volume of the cylinder given the height and diameter shown. The figure is not to scale. Round your answer to the nearest hundredth of a cubic meter.



11

Melissa has a swimming pool with a radius of 10 feet. At the moment, the pool is filled up to a height of 22 feet. How much water is in Melissa's pool? Approximate π as 3.14 for your answer. If necessary, round to the nearest hundredth.

12

A petroleum company sells oil to its customers by the barrel. The base of each barrel measures 6 inches from edge to center. They also have a height of 12 inches. What is the total volume of a barrel of oil? Approximate π as 3.14 for your answer. If necessary, round to the nearest hundredth.

You'll Receive

- ★ Teacher Tips
- ★ Student Directions
- ★ Printable Math Board Game
- ★ Recording Sheet
- ★ Answer Key





Volume of Cylinders

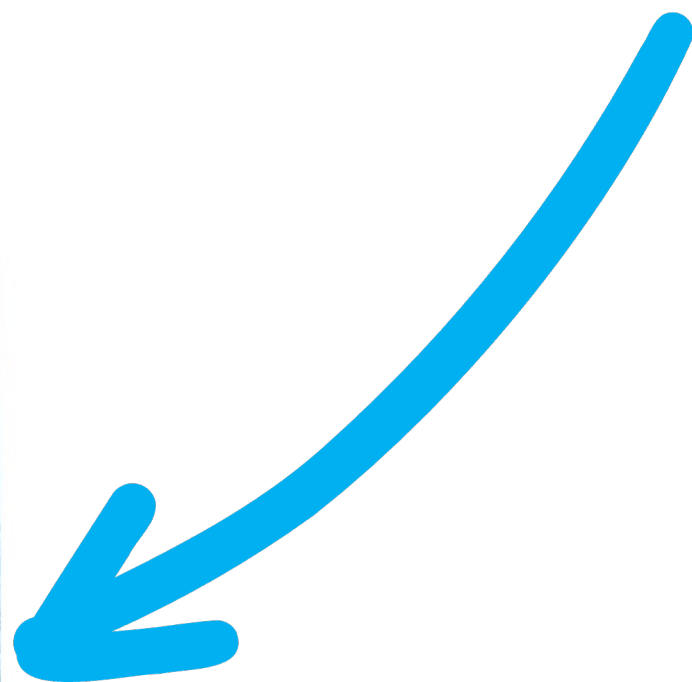
go back two spaces	solve a problem!	go back three spaces	Lose a turn!	solve a problem!	solve a problem!	go back two spaces	solve a problem!
solve a problem!	solve a problem!	go back two spaces	FINISH	solve a problem!	solve a problem!	solve a problem!	solve a problem!

Student Recording Sheet

Volume of Cylinders Recording Sheet

Name: _____

1 113.04 yd ³	2 62.8 mm ³	3 87.92 in ³	4 552.64 cm ³
5 254.3 in ³	6 125.6 yd ³	7 100.5 cm ³	8 75.36 mm ³
9	10	11	12
13	14	15	16
17	18	19	20



HAPPY TEACHERS SAID...

“ This was a hit during centers. All students were engaged, and better yet – learning! Love this! ”

“ My students love playing games and a simple, easy prep game like this is a great addition to math centers, early finisher activities, and review days. ”

“ These are great for small group stations! What a fun task card adaptation. Students get to play a fun and competitive board game, but they also get to practice learning. Plus, the recording sheet makes it easy to grade and monitor student progress; they aren't just playing they are actively learning and participating with evidence of ability. Great resource! ”

What's the Best Way to Use this Game?

- ✓ Math Centers or Stations
 - ✓ Whole Group Practice
 - ✓ Morning Work
 - ✓ Partner Activity
 - ✓ Early Finisher Tasks
 - ✓ Substitutes

Tips for Playing Math Games:

- ★ Read the directions to the students and model how to play.
- ★ Be prepared with dice/spinner and game pieces for each player (paperclips, pencil top erasers, pieces from another game, etc.)
- ★ Every student should solve every problem – not just the person who rolls.
- ★ Create groups of 2-4 students. The lower number of students means the more focused students are while playing.

Tips for Playing Math Games:

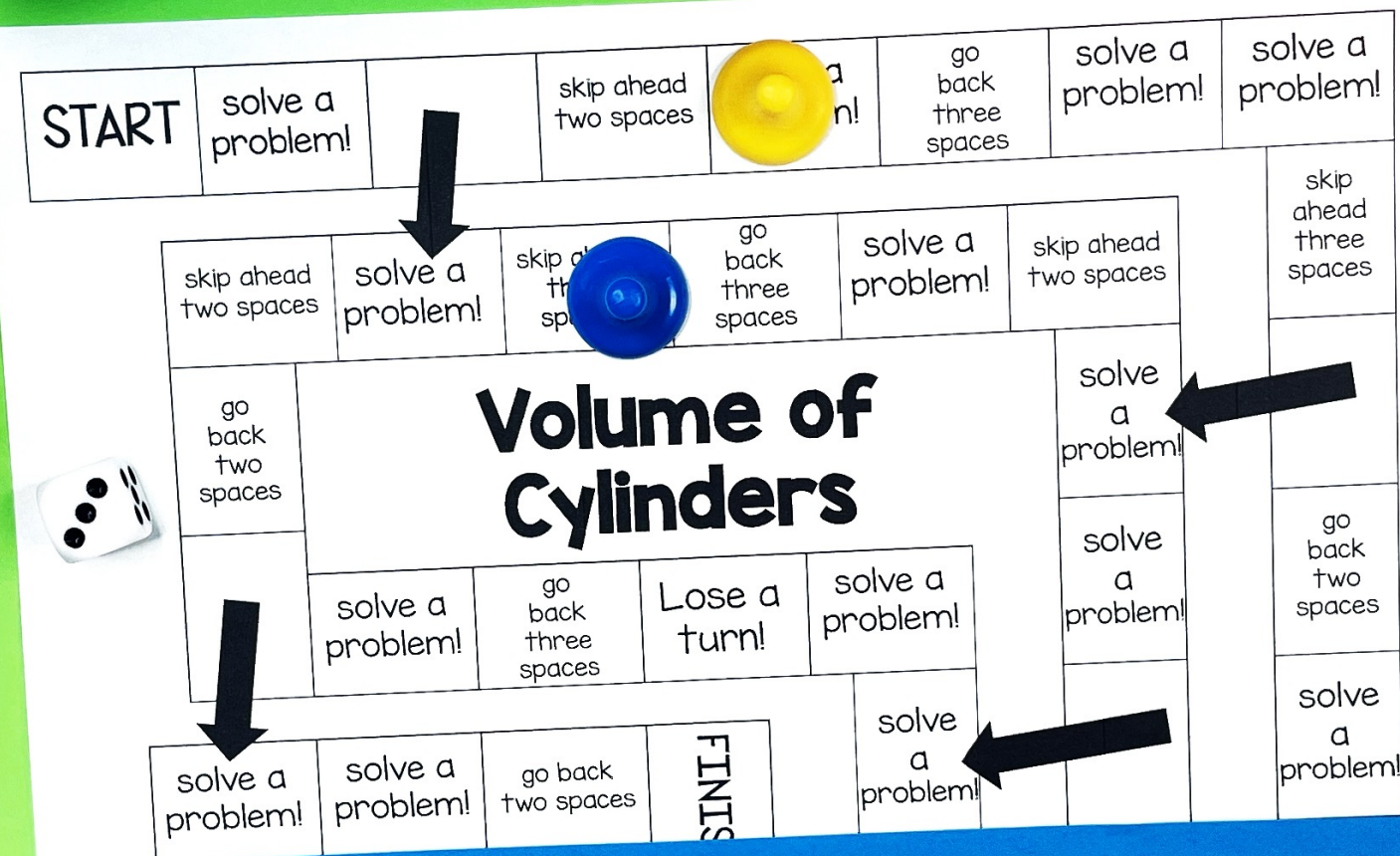
- ★ Remind students that the focus is not playing the game...that's just an added bonus! The focus should be on practicing the math skills.
- ★ Show students how to compare and discuss answers. Did you both get the same answer? If students get different answers, ask them to solve the problem using a different strategy or help coach each other through the problem.

Why Board Games?

Research shows that
challenge-based gamification in
the classroom lead to an increase
of 34.755% in student performance

(ScienceDirect, 2020).

Students
won't
even
realize
they are
learning!

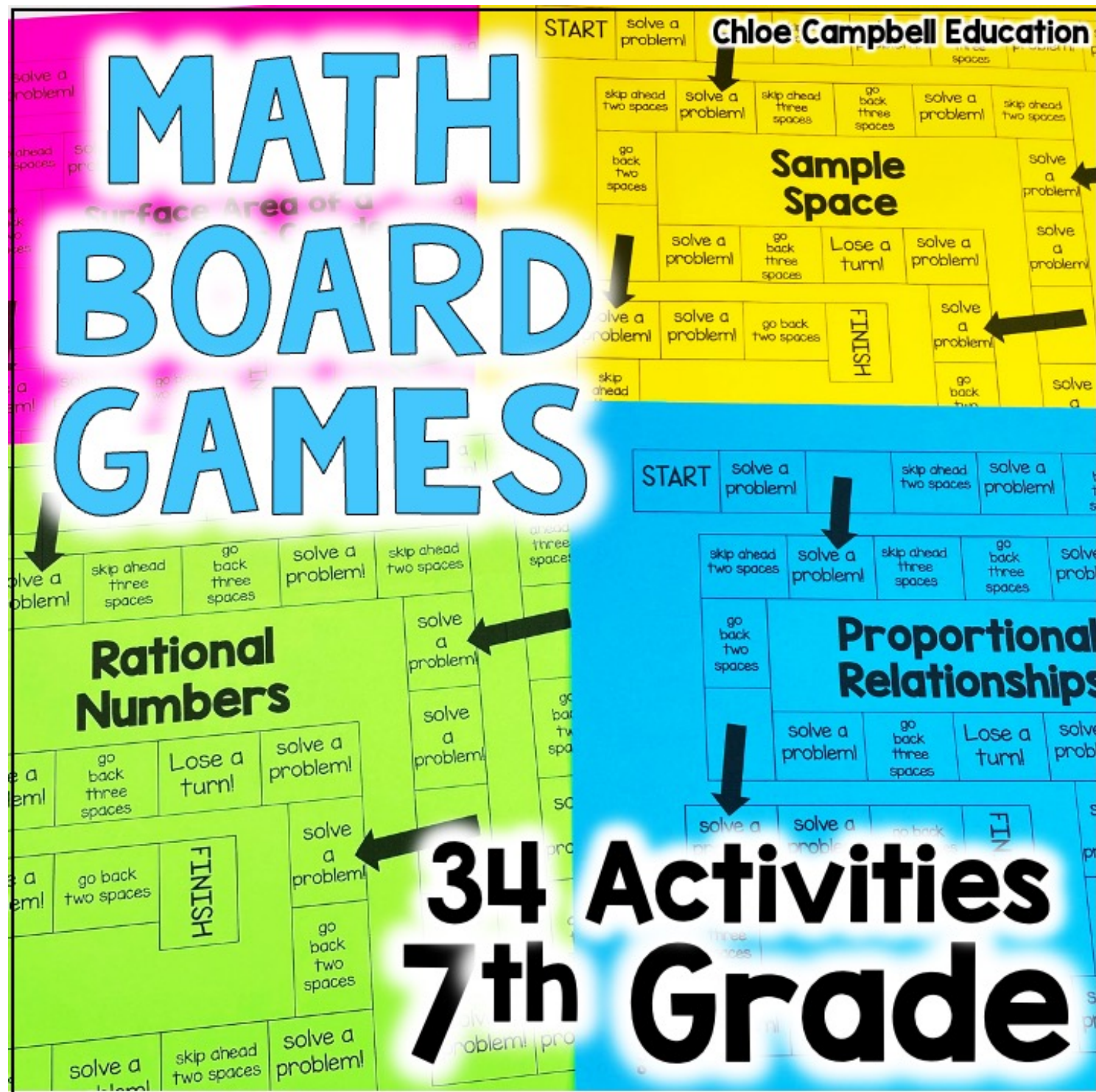


Volume of Cylinders Recording Sheet			
1	2	3	4
113.04 yd ³	62.8 mm ³	87.92 in ³	552.64 cm ³
5	6	7	8
254.3 in ³	125.6 yd ³	100.5 cm ³	75.36 mm ³
9	10	11	12

ADD TO CART

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student engagement
and student
achievement increase!

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