



(PUMP UP THE) VOLUME QUIZ

Answer the questions below using the song lyrics.
(To be used with lyrics to RRR song "(Pump Up the) Volume")

1. What unit of measure does the cone, cylinder and sphere have in common and appears in their formulas to determine volume?
2. What characteristic or feature do the cube and rectangular prism share?
3. Which is the only geometric shape in this song that uses division to determine its volume?
4. Which geometric shapes in this song use π as a part of their formula in determining volume?
5. What characteristic or feature does a sphere and cube share?
6. Because of the characteristic shared in Answer #5, the sphere and cube also share a common operation in finding their solutions. What is it?
7. Which two geometric forms mentioned in this song use $l \times w \times h$?
8. In the Answer to #7, if the operation is the same, is the formula expressed the same way? If not, why not?
9. Is there any other way that π can be indicated when talking about it?
10. Which types of measurement of volume are used this song?
11. Which mathematical operations are used in this song?

BONUS QUESTION

Is π a unit of measure?

If not, what is it, and why?