FLOCABULARY- VOLUME

In a distant, dark future, the corporation rules all. One man fights against this faceless organization.

They snatched me off the streets, put me in a van,
Blindfolded, rope tied around both my hands.
I've been imprisoned in a \_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_,
It's a \_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_, and listen:
They told me each day, they'd add 90 ft3 of water
To the cell, until it fills and I'm a goner.
I need to know just how long that will take 'em,
So I need to figure out the \_\_\_\_\_\_ of the prism.

I'll start by getting the \_\_\_\_\_\_ of the floor space,
That's \_\_\_\_\_\_  \_\_\_\_\_\_  \_\_\_\_\_\_, the area of the \_\_\_\_\_\_.
I pace along the wall, it's about 12 ft,
I walk along the other wall, that's 6 ft.
So Base Area = lw,
I won't call it quits,
That's just 12 ft · 6 ft = 72 ft2,
I measured it right,
But it's gonna be tough to \_\_\_\_\_\_\_ the \_\_\_\_\_\_.

Until I see stones that are placed in the wall,
Each stone is about 2 ft tall.
I count the stones to the top, I count
5 · 2 ft = 10 ft high.
The volume of a prism is area of the base times the height,
I know it so I get it right.
That's 72 ft2 · 10 ft, are you ready?
In \_\_\_\_\_\_  \_\_\_\_\_\_, that's 720 ft3.

If they add 90 ft3 of water every day,
720 ft3 ÷ 90 ft3/day = 8 days.
That's it, how long I have to escape,
From the prism, so I need to find a way...

*You're in a prison and you're scared like it's all doom,
Well I guess you need to figure out
The volume of a rectangular prism or \_\_\_\_\_\_,
\_\_\_\_\_\_  \_\_\_\_\_\_  \_\_\_\_\_\_.

You're in a prison, yeah there's nothing scarier,
If you need to figure out the \_\_\_\_\_\_\_  \_\_\_\_\_\_.
Add the area of all the faces,
Face it, they build a lock, you're gonna break it.*

So you all know I was trapped in a box,
But I escaped, now I'm out wrapping a box.
A present for my enemies, nothing's scarier,
I need to measure the outside, the surface area.
It's just all the faces added,
And there are 6 faces, but here's the magic:
3 different faces and each has a twin,
We only need to measure 3 faces to begin.

Length times width plus length times height,
Plus width times height, but to make it right,
Multiply that by 2 for the opposite faces,
A gift for the guys who left me in this place, yes.
Make no mistake:
\_\_\_\_\_\_\_  \_\_\_\_\_\_  \_\_\_\_\_\_  \_\_\_\_\_\_  \_\_\_\_\_\_  \_\_\_\_\_\_  \_\_\_\_\_\_  \_\_\_\_\_\_.
I'm not wrapping a bomb, I'm wrapping a note,
Telling 'em that I'll die for my freedom, no joke!

*You're in a prison and you're scared like it's all doom,
Well I guess you need to figure out
The volume of a rectangular prism or cube,
Volume = lhw.

You're in a prison, yeah there's nothing scarier,
If you need to figure out the surface area.
Add the area of all the faces,
Face it, they build a lock, you're gonna break it.*

*Ex 1. Find the volume of a rectangular prism with a height of 8 cm, width of 3 cm and a length of 6 cm.*

*Ex 2. Find the volume of a cube with a side length of 5 ft*

*Ex 3. Find the volume of a triangular prism with a base area of 12 in squared, and a height of 4 in.*