

Book 6

TeachersDungeon.com





Students Use Growth Patterns to Create Formulas and Solve for Variables!

Particular Includes a Video Tutorial for Each Step of this Problem!

MANIAC MONKEYS, GRIEVOUS GIRAFFES, AND HUNGRY POLAR BEARS ARE ATTACKING!

🔥 Will your math skills be enough to save your school? 🔥

Build the GREAT WALL and protect the students! 🏫 🔐

Pelican Pete has swooped in and **stolen all the golf balls** from Pebble Beach Golf Club!

Hide & Go Seek Zeek has **outsmarted every animal** in Japan, disappearing without a trace!

Cameel & Kamel, the singing camels, have crushed the competition on American Idol with their flawless harmonies!

But that's not the worst of it—these tricksters are now heading straight for your school!

Their plan? 🕥 Steal all the PE balls 🔨 Hide all your school supplies 🎶 Outperform every student with their musical talents

And it gets worse... You've just been informed that 96 different animals are now on their way, ready to cause chaos!

Luckily for you—your school architects have designed a **powerful wall that grows** at the same rate as these attackers!

Your mission as the School Mathematician is to **calculate how many bricks are needed to build the wall** and protect your school!





On Your Own
Complete this problems first
Then,
Click on the photo to watch the video and check your answer!

Follow these Steps:

Copy the first three sections of the GREAT WALL on your paper.

2 Based on the pattern, figure out the 4th section of the wall and draw that section next to the first three sections.





On Your Own
Mean
Complete this problems first
Then,
Click on the photo to watch the video and check your answer!

Follow these Steps:

Create a T-Chart that shows the number of bricks needed to build the **7th section**.

2 Solve for the Iterative Function, which is also the **Coefficient**.

3 Color the Coefficient **blue** on each section that you drew.

Color the Constant – red on each section that you drew.





🔹 📝 On Your Own 💡 🎥 🔹

Complete this problems first
Then, Click on the photo to watch the video and check your answer!

<u>Follow these Steps:</u>

Vise Your Strategy:

W Use your iterative function and your drawings to create a formula that will work for any section number.

Illustrate your formula on your drawings.

? Test your formula against section **5** section **6** and section **7** to make sure that it agrees with your **T-Chart 1**!







<u>New Discovery!</u>

Sour school scientists have just discovered more animals! There are 96 different types of animals attacking your school.

? How many bricks are needed to build the **T 96th section**?



