

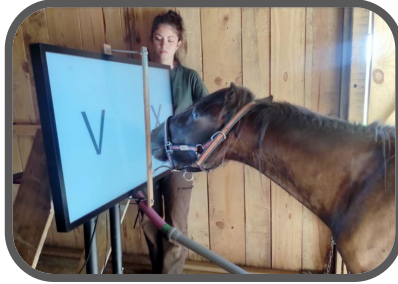
# The Daily STEM

Volume 5 Issue 7

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## STEM in the News

How smart do you think horses are? Among other things, they can be trained to follow, jump, or do tricks. Some scientists decided to see if some horses in Portugal could recognize letters of the alphabet. They were taught to touch a screen with their nose, and if they picked the correct letter, they got a carrot. The scientists tested them on the letters B, O, V, X, and Z. The horses eventually were able to pick the right letter about 80% of the time. What other types of things do you think horses could learn? Find out more: [bit.ly/3EIDL1H](https://bit.ly/3EIDL1H)



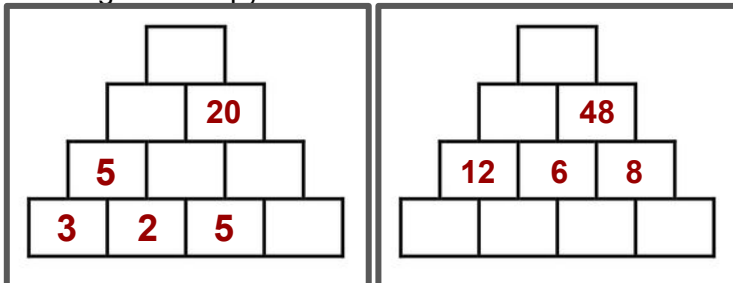
## STEM Career: Forensic Scientist

Did you ever try to figure out a mystery in a book or a TV show? A **Forensic Scientist** is someone who helps collect information or clues that can help with an investigation. If they're at a crime scene, they can help take photographs, draw sketches, collect and catalog bits of evidence, or even look for fingerprints. A forensic scientist can also work in a laboratory, looking at evidence collected, analyzing it using microscopes or computers, and trying to match DNA evidence. They might even reconstruct a crime scene to see if something was missed in an investigation. Most forensic scientists study biology or forensic science in college before learning on the job with more experienced investigators. Critical thinking and problem solving skills can be very helpful too. You might even need good communication skills to talk with detectives or when testifying in court as an expert. Some people think being a forensic scientist would be fun because of how it is portrayed in movies, but it also takes a lot of hard work and studying to be successful. If you think this kind of career sounds interesting, learn more: [bit.ly/3Ib1VwJ](https://bit.ly/3Ib1VwJ)



## The Puzzle

Can you figure out the missing numbers in each of the following number pyramids?



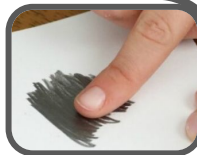
Decode the answer using  $a=1, b=2, c=3, d=4$   
Top to bottom: *cbabgach* and *cdefgbdcbd*

## STEM Challenge

Did you ever look closely at your finger? If you have, you might have noticed that your fingerprints have lots of curved ridges. Those fingerprints are unique to you, no one else has the same prints! If you want to investigate closer, try this:

- 1) rub a pencil on a piece of paper until it's a dark spot
- 2) rub your fingertip over the pencil marking
- 3) stick a piece of clear tape on your fingerprint
- 4) put the tape onto a piece of paper

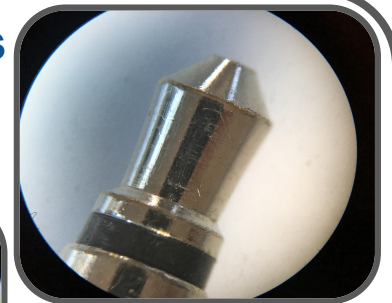
Now you can examine your print and see what type of print you have.



Learn more: [bit.ly/3K7Tj27](https://bit.ly/3K7Tj27)

## Mystery Photos

Can you identify the mystery items under the microscope?



Decode the answer using  
 $1=a, 2=b, 3=c, 4=d$   
8 5 1 4 16 8 15 14 5 16 12  
21 7 16 5 14 3 9 12 20 15 23 5 12