

Systems of Equations

Zergs & Borgs

Gwen

Gwen purchased 28 items, spending a total of \$108. Balloons cost \$3 each, bags of candy cost \$4 each, and caps cost \$5 each. As students walked by, she gave each student one of each. However, after 7 students, she found that she had run out of **one of the items**. How many of each did Gwen purchase?

SHOOTING GALLERY

Joe went to the fair and tried his hand at the shooting gallery. He earned 20 points each time he hit the target but lost 50 points when he missed. Joe ended the night with negative 470 points after 15 shots. How many times did he hit and miss the target?