

Math at Camp Coral

1. SpongeBob, Sandy, Patrick, and Squidward are getting ready to make smores (S) over the campfire. They have brought a bag of 20 marshmallows (M), a box of 10 graham crackers (G), and 5 individual chocolate bars (C) with them.

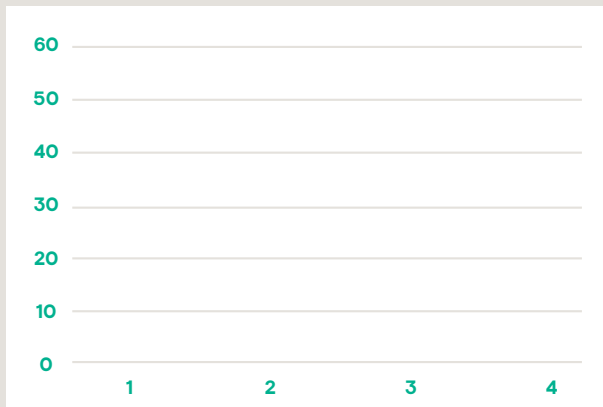
If each smore uses 1 marshmallow, 2 graham crackers, and $\frac{1}{2}$ of a chocolate bar, how many marshmallows will be left after each friend makes a smore?

2. The height of ice cream cones at Camp Coral all are different depending on the numbers of scoops of ice cream the campers request. Every order starts with a 5 inch ice cream cone. Then, every scoop that is added increases the length by 3 inches. Write an equation that lets the camper know the length of each order, using h for height and s for scoop.



Using this equation, determine the height of an ice cream cone with 5 scoops.

3. SpongeBob, Squidward, and Sandy start paddling their canoe through the camp. The friends traveled at a pace of 12 miles/hour. Create a line graph to show the distance they traveled after paddling for 4 hours.



5. Squidward is in charge of the camp's archery competition and needs to determine the distance each camper will stand from the target during the 2 rounds of the competition. He decides to place the starting point 40 feet from the target for the first round and move it 20% further away for the second round. How far will campers stand from the target during the final round of the competition?

4. Patrick goes out on a canoe by himself and is able to travel 29 miles in 2 hours. Who traveled faster, the group of 3 or Patrick?

