

MARSHMALLOW PROBLEMS

The best part of the day is sitting around the campfire toasting those creamy, gooey marshmallows. Tonight is no exception, but there are a few problems with the marshmallows.

For each marshmallow problem, choose the equation that would find a solution. *Then solve.*

1. Critters ate 73 marshmallows total from 4 bags. 23 were eaten from Sam's bag, 6 from Chad's bag, and 18 from Matt's bag. How many were eaten from Mike's bag?
- $73 - 4 - 23 - 6 - 18 = x$
 - $x = 23 + 6 + 18$
 - $23 + 6 + 18 + x = 73$

Answer: _____

2. Basha dropped 2 marshmallows into the fire. Mike dropped 4 and Toni dropped 3. Yolanda dropped 4 times as many marshmallows into the fire as the other three campers combined. Mike, Basha, and Toni combined. How many did she drop?
- $x = 2 + 4 + 3 + 4$
 - $x = 4(2 + 4 + 3)$
 - $2 \times 4 \times 3 = x$

Answer: _____

3. In the last three nights, 24 marshmallows have been burned. On Tues., 4 more burned than on Mon. On Wed., 3 times as many were burned as on Mon. How many burned on Mon.?
- $24 - 4 - 3 = m$
 - $m + (m + 4) + 3m = 24$
 - $24 = 4(3 + 4)$

Answer: _____

4. Someone (or something) ate $\frac{1}{2}$ bag of marshmallows. $1\frac{3}{4}$ bags were left. How many bags of marshmallows were there to begin?
- $1\frac{3}{4} + \frac{1}{2} = x$
 - $x = 1\frac{3}{4} - \frac{1}{2}$
 - $1\frac{3}{4} + x = \frac{1}{2}$

Answer: _____



5. Zoey ate 6 marshmallows on Tues. and 3 less on Wed. and 4 times as many on Mon. as on Tues. How many did she eat?
- $m = 6 + 3 + 4$
 - $m = 6 + (6 - 3) + (4 \times 6)$
 - $4(6 - 3) + 6 = m$

Answer: _____

6. Three campers ate 50 marshmallows one night. Toni ate 6. Chad ate 4 times as many as Toni and Sam combined. How many did Sam eat?
- $50 - 6 - 4n$
 - $50 = 6 + n + 4(n + 6)$
 - $6 + 4(n + 6) = 50$

Answer: _____

7. The group cooked 18 marshmallows. Sam ate 2 less than $\frac{1}{2}$ of these. How many did he eat?
- $n = 18 \div 2 - 2$
 - $18 - 2 + \frac{1}{2} = n$
 - $n = 18 \times 2 - 2$

Answer: _____

Name _____