M2C3 – Marshmallows for Camping Task

Annotated Teacher and Student Work

The following provides two teacher solutions and one Grade 4 solution to the Marshmallows for Camping Task.

Teacher Solutions

Teachers used whole number addition, subtraction and multiplication to determine the number of bags of marshmallows needed and how many would be left over.

25 Kids ⚲

2 Teachers ⚲

5 Volunteers
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32 Total

In each bag 40 mellows
Buy 2 bags = 80 mellows

25 kids = 2 each
7 Adults = 4 each

$25 \times 2 = 50$
$7 \times 4 = \underline{28}$
78 mellows

80 mellows
− 78 consumed
___
2 leftover

Assume/Notes
* 1 night
* Big bags
→ Will eat or try
* No Families

Teacher Solutions

3 classes
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25 students per class = 75

3 teachers   : 78

6 chaperones (2 per class) = 84 total

1 night
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2 marshmellows × 84 ppl = 168

40 per bag

4 bags is 160

so 1 more bag is needed = 5 Bags
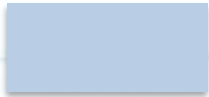
Teachers assumed that each person on the camping trip would be given 2 marshmallows and there were 40 marshmallows per bag.
They used whole number addition and multiplication to determine the number of bags needed.

Grade 4
Warm-up

Know	Need to Know	Assume/Decide
27 Students in ntro. room	How many studens in Bamboo☆	How many ea person gets
Going w/ Bamboos	Size of marshmallows	What type of marshmallows w we get?
Marshmallows come in different sizes	How many marshmallows in a bag☆▷	
	How many will each person need	If the adults will have s'mor
2 classes are going	How many total kids are going	Will adults get the same amo
23 Students in Bamboo	Will the adults have s'mores?	Does cost mat
	How many adults are going?▷	
	How much does each bag cost?	

27 Astronauts   23 bamboos

Jumbo Jet puff marshmallow

26 servings

Answers
  5 bamboos won't come
  Some

$$\begin{array}{r} 27 \\ -\ 4 \\ \hline (23) \end{array}$$

$$\begin{array}{r} JPB \\ 5 \\ \hline (18) \end{array}$$

$$\begin{array}{r} 123+ \\ +18 \\ \hline (41) \end{array}$$

$$\begin{array}{r} 126 \\ +26 \\ \hline (52) \end{array}$$
we need 2 bags
for the students

$$\begin{array}{r} +\ 26 \end{array}$$
3 teachers
10-12 adults
12 Astronauts
$$\begin{array}{r} +\ 3 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 78 \\ -41 \\ \hline 37 \end{array}$$

$$\begin{array}{r} 52 \\ 41 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 37 \\ -15 \\ \hline 22 \end{array}$$ left

Grade 4 – Students used whole number addition and subtraction to determine then number of students and adults who will given marshmallows, the number of bags of marshmallows needed and the number of marshmallows left over. They do not fully explain the number of bags needed.