

# Addition and Subtraction Logic Puzzle: Instructions

## Completing the activity:

1. Solve all of the problems on your Answer Sheet. Beside each problem, circle the correct answer to that problem. Then, look at the letter underneath your circled answer. Turn to your Clues Sheet and put one checkmark beside the clue for just that letter.
2. Repeat until you have done the same for every problem.
3. On your Clues Sheet, highlight the clues with TWO checkmarks. These are the ONLY clues that you'll use to solve the logic puzzle on your Puzzle Sheet. *Note: Clues with only one checkmark should not be used to solve any part of the logic puzzle. In fact, it may be easier to cross these clues out.*
4. Use the clues with two checkmarks to eliminate any possibilities on the logic puzzle by writing NO in the box. If the clue confirms a possibility, write YES in the box.
5. Work through the clues and the logic puzzle until you get to the final answer.

# Addition and Subtraction Logic Puzzle: Class Celebrations Answer Sheet

Name \_\_\_\_\_

Solve each problem and circle the correct answer.

Next, look at the clue letter underneath the correct answer that you circled.

Put one checkmark beside that letter's clue on your "Clues Sheet."

Problem	Answer 1	Answer 2
$\begin{array}{r} 419 \\ +214 \\ \hline \end{array}$	623 H	633 C
$\begin{array}{r} 291 \\ +127 \\ \hline \end{array}$	518 B	418 G
$\begin{array}{r} 396 \\ +72 \\ \hline \end{array}$	468 B	328 A
$\begin{array}{r} 200 \\ +116 \\ \hline \end{array}$	216 L	316 J
$\begin{array}{r} 567 \\ +201 \\ \hline \end{array}$	768 F	367 C
$\begin{array}{r} 305 \\ +602 \\ \hline \end{array}$	907 E	917 G

Problem	Answer 1	Answer 2
$\begin{array}{r} 256 \\ +44 \\ \hline \end{array}$	300 K	290 D
$\begin{array}{r} 322 \\ +17 \\ \hline \end{array}$	339 I	335 H
$\begin{array}{r} 311 \\ +270 \\ \hline \end{array}$	561 K	581 H
$\begin{array}{r} 647 \\ -470 \\ \hline \end{array}$	177 F	237 A
$\begin{array}{r} 302 \\ -284 \\ \hline \end{array}$	182 D	18 L
$\begin{array}{r} 418 \\ -343 \\ \hline \end{array}$	135 E	75 A

Problem	Answer 1	Answer 2
$\begin{array}{r} 115 \\ -26 \\ \hline \end{array}$	91 J	89 D
$\begin{array}{r} 876 \\ -352 \\ \hline \end{array}$	524 C	584 J
$\begin{array}{r} 282 \\ -72 \\ \hline \end{array}$	110 I	210 L
$\begin{array}{r} 700 \\ -328 \\ \hline \end{array}$	372 I	428 G
$\begin{array}{r} 972 \\ -471 \\ \hline \end{array}$	511 A	501 B
$\begin{array}{r} 293 \\ -157 \\ \hline \end{array}$	144 F	136 K

# Addition and Subtraction Logic Puzzle: Class Celebrations Clues Sheet

Name \_\_\_\_\_

As soon as a clue has **TWO** checkmarks beside it, use that clue to solve the puzzle. Once you have solved all of the problems, there will be some clues with only one checkmark. Cross out the clues with only one checkmark. These clues cannot be used.

Letter	Clue	Checkmarks
A	Jasmine did not bring the candy whose name begins with K.	
B	Mark did not buy candy that begins with the same letter as his name.	
C	Ian did not buy any candy that contains chocolate.	
D	Neither of the girls brought the M&Ms.	
E	Derek bought Skittles for his classmates.	
F	The boys bought the candies that all begin with the same letter.	
G	Either Ellen or Jasmine brought Snickers.	
H	The name of the person who bought Starburst begins with a vowel.	
I	Ellen bought a candy that comes in many colors.	
J	One of the girls bought Skittles.	
K	Mark did not buy a fruity flavored candy.	
L	Neither Derek nor Ellen bought Skittles	

# Addition and Subtraction Logic Puzzle: Class Celebrations Puzzle Sheet

Name \_\_\_\_\_

Students are getting candy for their classmates to enjoy during the end of year party. The students listed below each bought a different type of candy to take to school. Use the correct clues from your "Clues Sheet" to determine which candy each student bought.

	M&Ms	Skittles	Snickers	Kit Kat Bars	Starburst
Mark					
Jasmine					
Ellen					
Derek					
Ian					