

Addition and Subtraction Logic Puzzle: Class Celebrations Answer Sheet

ANSWER KEY

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

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

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

Addition and Subtraction Logic Puzzle: Class Celebrations Clues Sheet

ANSWER KEY

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

ANSWER KEY

Mark - Snickers

Derek- Starburst

Jasmine - Kit Kat Bars

Ian - Skittles

Ellen - M&Ms

	M&Ms	Skittles	Snickers	Kit Kat Bars	Starburst
Mark	NO	NO	<u>YES</u>	NO	NO
Jasmine	NO	NO	NO	<u>YES</u>	NO
Ellen	<u>YES</u>	NO	NO	NO	NO
Derek	NO	NO	NO	NO	<u>YES</u>
Ian	NO	<u>YES</u>	NO	NO	NO