

**COSTUMES & CANDY** Six little boys and girls (one of whom was named Brad), went trick-or-treating last Halloween. Each child had a different costume (one dressed as a witch), and received different amounts of candy (one received 6 pieces). From the clues provided can you solve the puzzle?

CLUES:(show/hide)

- One boy dressed as a ghoul.
- The boy in the pirate costume received more candy than the other 2 boys.
- The girl in the Witch costume received fewer pieces of candy than the other 2 girls.
- Brad (who was a vampire), received less candy than the other two boys, but more than Gina.
- One of the boys received the most pieces of candy, 2 more than Susie.
- The Nurse(Ginger) received twice as much Candy as the vampire.
- Sam received half as much as Bart (who was not dressed as a princess or a ghoul).

COSTUMES & CANDY	Pirate	Vamp	Ghoul	Witch	Nurse	Prncss	2	4	6	8	10	12
Bart												
Brad												
Gina												
Ginger												
Susie												
Sam												
2												
4												
6												
8												
10												
12												

(SEE NEXT PAGE FOR SOLUTION-DETAIL)

## COSTUMES & CANDY-

Bart-Pirate-12.  
Brad-Vampire-4.  
Gina-Witch-2.  
Ginger-Nurse-8 .  
Susie-Princess-10.  
Sam-Ghoul-6.

### Step-by-Step :

This first clue "**One boy dressed as a ghoul.**"

Simply eliminate 'All' the girls ( ***Gina, Ginger, Susie***) grid squares as follows: [***Gina-Ghoul, Ginger-Ghoul, Susie-Ghoul***].

•This next clue : "**The boy in the pirate costume received more candy than the other 2 boys.**"

Again we can eliminate 'All' the girls grid squares that meet with the column ***Pirate***

[***Gina-Pirate, Ginger-Pirate, Susie-Pirate***]. The only difference is we have an additional portion of the clue, namely

"***...Boy... Pirate...received more candy than....***", which means the pirate received *more* than at least 2 others, so eliminate the grid squares: [***Pirate-2, Pirate-4***].

•This clue says : "**The girl in the Witch costume received fewer pieces of candy than the other 2 girls..**"

Similar to the previous clue, we can eliminate "ALL" of the boys squares that intersect with the column ***Witch***

[***Bart-Witch, Brad-Witch, Sam-Witch***]. The only difference is we have an additional portion of the clue, namely

"***...Girl... Witch...received ...fewer than....***", which means the Witch received *less* than at least 2 others, so eliminate the grid squares: [***Witch-10, Witch-12***].

•This next clue "**Brad (who was a vampire) received less candy than the other two boys , but more than Gina.**"

Provides our first solution, so locate grid square [***Brad-Vampire***] and highlight that with a 'green-box', (we can also eliminate the remaining kid's names from the Vampire Column) :

***Vampire - Bart, Gina, Ginger, Susie, and Sam.*** We can also clear some entries from Brad's row:

**Brad - Pirate, Ghoul, Witch, Nurse, and Princess.**

**\*\*NOTE\*\*** (we can also eliminate the **Witch, Nurse, and Princess**) from both **Bart** and **Sam**'s rows, because our prior clues have now given all the boys possible costumes as : **Vampire, Ghoul, or Pirate**).

We also know he received **"...less than the other boys "**, thus we can eliminate (from both **Brad's Row, and Vampire column**): **Brad-10, Brad-12, and Vampire-10, Vampire-12.**

Lastly because he(**Brad**) received **"...more than Gina."**, we can logically eliminate grid squares : **[Brad-2, Vampire-2, Gina-12]**.

•This next clue **"One of the boys received the most pieces of candy, 2 more than Susie."**

This clue applies to either **Brad**, or **Sam**, thus we can eliminate "ALL" of the girls from column **12**:  
**12 - Gina, Ginger, and Susie.**

Now the last part of this clue (**"... 2 more than Susie"**) means : Susie received 10( **or 12 - 2** ), which allows us to clear **Susie's** row as follows:

**Susie - 2, 4, 6, 8,** (and consequently) **10's** column :  
**10-Bart, Brad, Gina, and Sam.**

**\*\*NOTE\*\*** (We can also eliminate **Pirate - 10** and **Ghoul- 10**, because these are Boys costumes, and hence, **NOT**Susie's).

•This next clue **"The Nurse (Ginger) received twice as much candy as the Vampire."**

Provides a solution ( **Ginger-Nurse**) and some eliminations:  
**Ginger - Witch, Princess,** as well as, **Nurse - Gina, Susie, 10, and 12.**

Which means the **ONLY** solution for the child who received 10 pieces must be the **Princess**, therefore a solution is **Susie-Princess-10 pieces.** Let's proceed with the eliminations:

**Princess - 2, 4, 6, 8, 12, and Gina.**

(Which means the child in the **Witch** costume **must be Gina.**

The second part of this clue ("**...twice as much...as the Vampire**") is a little bit trickier:

Because the **Vampire (Brad)**, could only have received **4, 6 or 8 pieces**, then **Ginger** could only have received **8,12, or 16**.

(But there is no child who received 16 pieces), therefore we can eliminate **Brad - 8** and **Ginger - 2, 4, 6, and 10**, as well as , **Nurse - 2, 4, 6, 10**. Which leaves only one solution here : **Ginger-Nurse-8**,

which in turn yields the solution **Brad-4** and the eliminations:

For Column **4** and Column **8**:

**4 - Bart, Gina, and Sam**, as well as, **8 - Bart, Gina, Sam**, and for **Row 8**:

**8 - Pirate, Vampire, Ghoul, and Witch.**

Because Brad is the Vampire we can eliminate from the Vampire column: **Vampire - 6** and from **Row 4 - Ghoul, and Witch**.

•This final clue is "**Sam received one-half as much as Bart (who was not dressed as a princess or a ghoul).**"

Closes out our Boy's costumes mystery (since we now know **Bart is the pirate** (because "**Bart, not dressed ..ghoul**" is not the Ghoul), meaning **Sam must be the Ghoul**).

So Sam , the Ghoul received ("**...1/2 as much as Bart...**"), and the only remaining pieces are 2, 6, 12, then Sam must have received 6, (which is 12/6), Bart 12, and this leaves only 2 for Gina.

•Congratulations! Puzzle solved. To summarize:

Bart-Pirate-12.

Brad-Vampire-4.

Gina-Witch-2.

Ginger-Nurse-8 .

Susie-Princess-10.

Sam-Ghoul-6.