***Pumpkin Light Up***

Introduction:

This is game will integrate solving equations and working through grade oriented problems using pumpkins and light bulbs. Parents will be able to see the “Light” come on in their children’s eyes as they practice solving equations.
Materials needed:

* 3x5 index cards, 30 prepared
* Presentation board with metal pegs and clips
* Whiteboard for score board, markers
* ![C:\Documents and Settings\SHELL\Local Settings\Temporary Internet Files\Content.IE5\PKKG6FLF\MCj04418800000[1].wmf]()Prizes
* Conductivity tester
* Wires
* Paper and pencils for work
* Clock or stop watch
* Written questions to fit inside mini pumpkin buckets

Directions:

* Students will be divided into 2 groups.
* Students select a pumpkin from their grade bowl and race to solve the math inside.
* Students have one minute to complete the question. The first team to complete the question gets to state their answer first.
	+ Students will touch the peg next to the card with the equation they found in their pumpkin with one end of the conductivity tester and touch the other end to their result.
	+ If the light lights up they’re right and receive 2 points for their team.
	+ If the light does not light they will receive a chance to fix their response and try again within the one minute time limit before turning it over to the other team. If they get it right in that time they will receive 1 point. If the other team gets the answer correct, they receive the one point.
	+ Each team will have one representative to use the conductivity tester to find if their answer is correct. Taking turns so all get a chance to test.
* 2 minutes before time is called a tally is created for the teams and the team with the most points wins a “grand prize.” The other teams will receive prizes too.

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| 1. Solve for a:

-84 = -12a | 1. Solve for b:

$$-\frac{36}{b}=9$$ |
| 1. Use the Distributive Property to simplify the expression:

xy(5x(y-3)) | 1. Convert the following value to a Percent:

$$\frac{13}{25}$$ |
| 1. Factor into Prime Numbers Only:

48 | 1. Divide:

$$- 12 ÷ - 2 ÷ - 3 ÷ 1 ÷ - 2$$ |
| 1. Suppose you start out with 13 stamps. Emily then takes half of one more than the number of stamps you have. John ends up giving you another 13 stamps. Sam ends up giving you another 17 stamps. Bob then takes half of one more than the number of stamps you have. How many stamps do you now have?
 | 1. You collect coins. At your request, Michelle decides to triple your quantity of coins. In the end, you have 48 coins. How many coins did you originally have?
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