Charlie Chocolate Factory

Marvellous Maths Games

Charlie's Golden Ticket Game

For 2 to 4 players

13 Golden Ticket cards

87 number cards

Object of the game

Collect Golden Tickets by creating sums

How to play

- 1. This game is played in 3 rounds.
- 2. Shuffle the Golden Ticket cards and place 5 cards, number side up, in the centre of the table so all players can see them. These are the Golden Answer Cards. Place the other cards aside for now.
- 3. Shuffle and deal out 1 number card, number side up in front of each player The remaining number cards are placed number side down on the table to form the draw pile.
- 3. The youngest player goes first (player 1) and takes 1 card from draw pile and places it, number side up, next to their existing card. Next they look for a combination in their hand that by using add (+) subtract (-) multiply or divide (÷) will match to a Golden Ticket Answer card on the table. For example one of the Golden Answer cards is an 8 they could use 2 x 4 or maybe 5+3 or even 10-2.

Examples



Both of these sums will create

the answer on the Golden Ticket



Golden Answei



Cards in players hand



answer is correct they stay on that space and play moves on to the next player on the left. However if they fail to get the answer correct, or answer in a reasonable amount of time, they must go back the amount of spaces on the dice. So in this case that would be 3 spaces

If any player lands on a card that has another player already on it and they answer the multiplication sum correctly, that other player is sent back to the start!

backwards.



- If a player manages to throw the same amount as the card they land on and they get the answer right, they get another go. So for example if they throw a 4 and move 4 spaces and land on a 4 card then give the answer 16, they get
- The first player to land exactly on the finish card and answer the multiplication correctly wins the game.
- A more difficult game for older children can be played by using 2 dice. Throw both dice together, use the highest dice number to move around the board and combine both dice for the multiplication. This will give multiplication possibilities of up to 12 times the amount on the card.

losest to Zero Game

or 2 to 4 players

Contents: 87 number cards,

3 Golden Tickets

Diject of the game

o be the player that has a hand of cards that are the closest to the value of Zero when added together.

This game uses the 2 different coloured number cards Yellow cards are positive numbers and purple cards are negative numbers. So if you add a yellow 2 to a purple 2 the sum total would be 0. See further examples on next page.

- 4. If player 1 finds a combination they place those cards next to the Golden Answer so that all players can see the sum is correct. Player 1 then turns over the Golden Answer card to reveal a Golden Ticket, takes the Golden Ticket and places it in front of them. They then return the number cards they used to make up the sum to the bottom of the draw pile. If they used all their number cards to create the sum they then take 1 card from the top of the draw pile so they always have 1 card in their hand. This ends their turn.
- 5. If player 1 cannot find a combination on their turn, play passes to the next player on their left and this ends their turn.
- 6. Players must always start their turn by taking a new card from the draw pile regardless of how many existing cards they already have in their hand. They then look for a sum combination with those cards to match to a Golden Answer on the table. Players can use as many cards as they like to make up the sum combination
- 7. As each of the 5 Golden Answers are won it becomes more challenging to find a combination. Once all 5 Golden Answer cards have been won replace with
- 8. The first player to win 4 Golden Tickets is the winner.

Charlie's in a Spin Game

For 2 to 4 players

Contents: 87 number cards, 4 playing pieces 1 or 2 dice (depending on difficulty required)

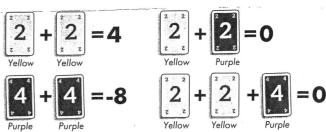
Object of the game

Be the first player to reach the end of the board using multiplication sums

How to play

- 1. Shuffle all the cards and place them number side up, in a spiral shape working from the centre card outwards until all the cards are used or there is no more space to place them on the table. This spiral shape is the game board. The card in the centre is the finish card and the card furthest away at the end of the spiral is the start card. See example on next page.
- 2. Each player chooses a playing piece and places it on the start card. Next decide who goes first. A good way to do this is by throwing the dice. The player with the highest roll goes first.
- 3. Player 1 now rolls the dice and moves their playing piece that many moves following the route of the spiral cards. They then must multiply the card that they land on by the amount thrown on the dice. So for example they roll a 3 and move 3 spaces forward to land on a 6, they must shout out the answer to that sum. So in this case the answer would be 18. If everyone agrees the





- 2. Shuffle all the number cards together and place in a pile. Next place the Golden Ticket cards in a pile in the centre of the table.
- 3. The oldest player deals the first game. They deal one number card, number side down to each player including themselves. They then deal another number card, number side up, to each player including themselves.
- 4. Player 1, to the dealers left, plays first. Without showing other players their hidden card they must add the 2 cards together to find out how close to the value of 0 (zero) they are. The dealer now asks player 1 if they would like to 'twist', which is to take another card. If player 1 thinks that they are already the closest to Zero amongst all the players, they say 'stick' and don't receive any further cards however if player 1 thińks they can get closer to zero they say 'twist' and the dealer gives them another card number side up. Player 1 then adds the 3 cards together to see if they are any closer to zero. The dealer asks player 1 if they want to twist again, up to a maximum of 3 times, or until player 1 says stick.
- 5. Play then moves to player 2 and the dealer repeats the sequence the same as they did for player 1, then the same for player 3 and finally the same for
- 6. After this round all players reveal their totals and the player whose cards are the closest to zero when added together wins that round and takes a Golden Ticket. In the event of a tie with players having the same amount, the player who has the largest amount of cards wins. If this amount is the same for both players they both then receive a Golden Ticket
- 7. At the end of each round the player to the dealers left becomes the new dealer so that each round has a new dealer.
- 8. The first player to gain 4 Golden Tickets is the winner.



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