

# Leg Day

## A Puzzle Suite by Dustin Foley

On August 19, 2018, I went to the emergency room with a broken leg – the first time I'd ever broken a bone. On August 19, 2019, I went to the emergency room with a broken leg again – the only other time I've ever broken a bone. As August 19, 2020 approached, I decided to create this set of puzzles with a "leg" theme, hoping this might somehow change my luck this year.

These puzzles can be solved in any order. They feature a variety of puzzle types, from wordplay to logic. Using internet resources is encouraged. Each of the first eight puzzles has a final answer that is a well-known word or phrase. The final ninth puzzle is a metapuzzle that uses the eight answers from the other puzzles.

Feel free to contact me to confirm answers, ask for hints, or check to see if I remained intact this year. And with that, let's break a leg!

- Dustin

Legacy Games \_\_\_\_\_

Lego \_\_\_\_\_

Leg of Lamb \_\_\_\_\_

L'Eggs \_\_\_\_\_

Legolas \_\_\_\_\_

L'Eggo My Eggo! \_\_\_\_\_

Legato \_\_\_\_\_

Legumes \_\_\_\_\_

Leg Day Metapuzzle \_\_\_\_\_

# Legacy Games

"Legacy" versions of board games have become increasingly popular, where the outcome of a game affects how the next game is played, increasing its complexity. For example, Risk, Pandemic, Ultimate Werewolf, and Betrayal at House on the Hill all have legacy versions. Below, I've provided some of my own ideas for legacy versions of seven other games, which are a little more old-school. I also have an idea for another way to make spin-off expansions of these games...

Next game, create additional copies of the pattern that players traverse, so that 3 copies are linked up into a sort of Y shape. Continue doing so after each game, adding more copies at the ends of the most recent ones, and essentially requiring players to jump through a depth-first search of a binary tree to complete the course. (9)

Using all 4 limbs to prevent a player from breaking the chain is permitted, if your segment of the line was broken at any point in the previous game when someone on the opposing team was "sent over." (3 5)

Make the last 3 caught players remain immobile. From their unchanging locations, they may catch other players, or choose to "thaw" any caught players within reach. (6 3)

Broaden the playing grid with an additional row and column after each game. After 6 games, the playing area will look like a big chessboard, so I hope you still have enough players for each equal-sized region! (4 6)

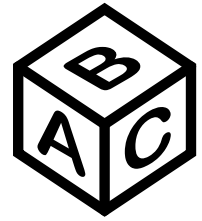
Every time a team loses, they rip their team's piece of fabric into 5 pieces and scatter them separately. A team doesn't win until they retrieve every piece from the opposing team's territory and bring them into their own territory. (7 3 4)

Repeating locations from previous games is forbidden. If it is discovered that a player was concealed somewhere already used, then during the next game that player must wait an extra 10 seconds before finding a new location while the hunting player is counting down. (4 3 4)

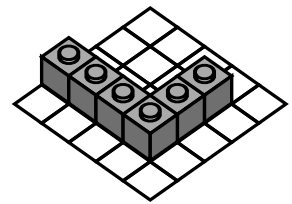
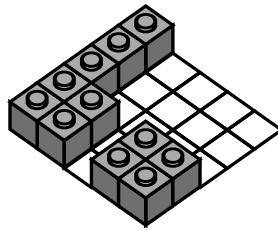
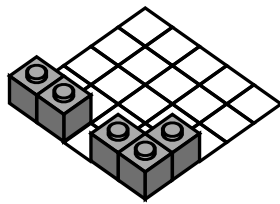
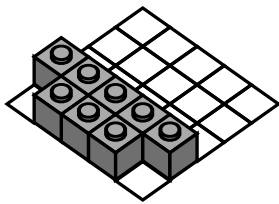
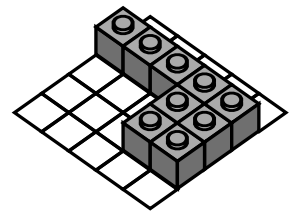
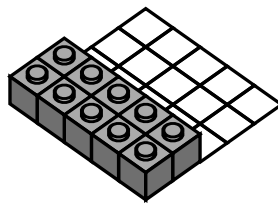
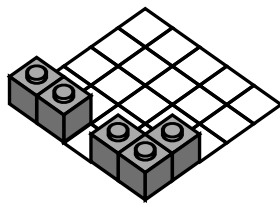
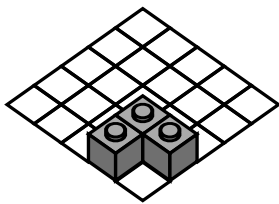
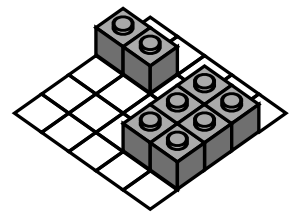
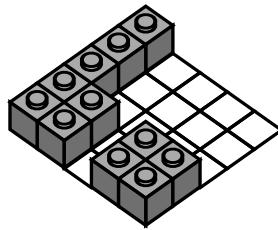
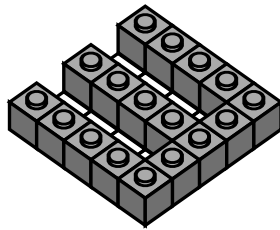
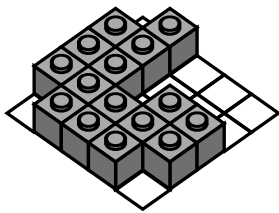
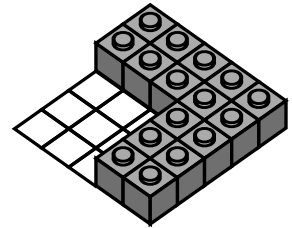
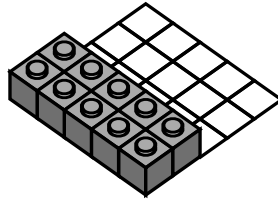
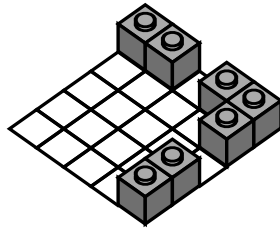
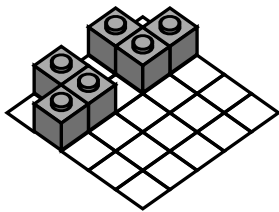
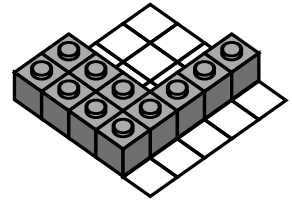
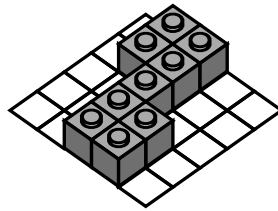
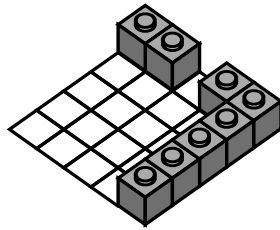
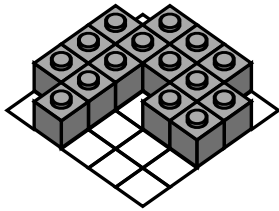
Successive games use increasingly complex traffic signals beyond the original basic pair. This can include yields, 4-way stops, merging, and roundabouts. (3 5 5 5)

Lego

Can you shed some light on these four Lego designs?



### TOP LAYERS



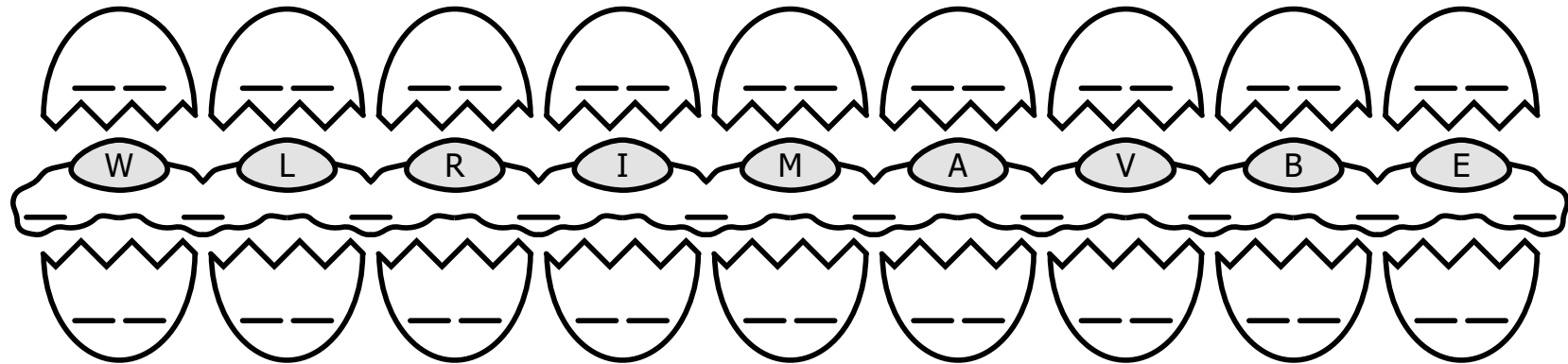
### BOTTOM LAYERS

# Leg of Lamb

I've made a mess of this meat platter, chopping up all the meats together. Each row and column contains a different meat, using one letter from each box in order. Rows contain 7-letter meats, and columns contain 6-letter meats. No letter is used more than once. The remaining letter in each box will spell out a clue to the final answer.

O	A	H	L	A	E	A
S W	E G	L U	M S	M R	G S	B E
B	A	A	H	A	A	A
N X	D O	L W	O U	G I	N T	G U
O	I	G	A	B	I	I
S T	M T	M R	L T	O R	L R	N R
A	D	D	O	E	A	G
B E	M R	G I	S T	K W	E N	I T
C	H	I	O	C	H	E
I N	L O	O U	N R	I Y	M Z	L O
A	D	N	I	A	I	D
L V	E N	S Y	L N	E S	N O	N R

# L'Eggs



Clues for small, medium, and large eggs with identical shells (nine of each) have been scrambled together below.

- Actor Clark
- Breathe heavily, like a dog
- Cat's set of nine
- Devout righteousness
- Feel sorry for
- Fenway Park's location
- Formal hymns of praise
- Geese group
- Hog's messy home
- Like fancy wedding cakes
- Lucky benefit
- Made a knot
- Measured with a stopwatch
- Owners of ones' fiefdoms
- Pots' partners
- Several chess pieces
- Severe gust of wind
- Shorelines
- Simple beds
- Some French headwear
- Team from Indianapolis
- Tells untruths
- The fifth element
- Triumphs over
- Use watercolors, maybe
- Wagers
- Word before "leather" or "pending"

# Legolas

Legolas slayed eleven orcs with his arrows on this battlefield. There was exactly one orc in each row and column. None of the orcs were standing next to each other, not even diagonally. The arrow markers indicate the locations where Legolas was standing and aiming when he fired his arrows, in a certain order. Each arrow marker points toward a different orc somewhere along its path. None of the orcs stood at the same location as an arrow marker, but they may have been standing in an adjacent square.

Q	U	A	D	R	→	L	L	I	O	N		
S	U	B	O	R	D	I	N	A	T	E		
F	I	L	M	O	G	R	A	P	H	Y		
↖	L	A	N	D	↘	S	T	I	N	E		
P	↗	L	I	N	D	R	O	M	I	C		
M	E	T	A	P	↘	Y	S	I	C	S		
→	J	U	S	T	I	↑	F	I	A	B	L	E
O	→	S	E	R	V	A	T	I	O	N		
O	X	Y	↗	E	N	M	A	S	←	K	S	
R	U	B	B	E	R	B	A	N	←	D	S	
K	E	Y	B	O	A	R	D	I	S	T		

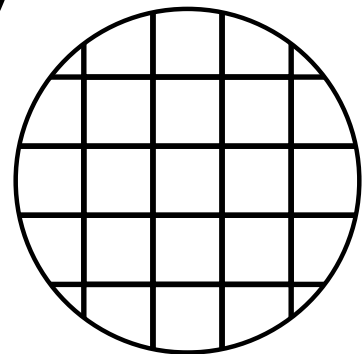
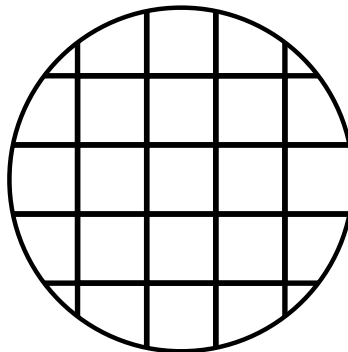
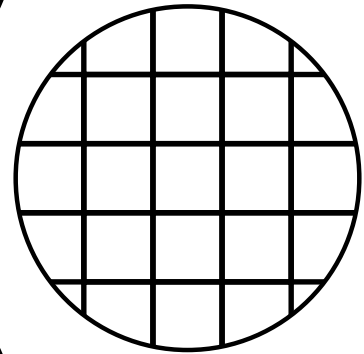
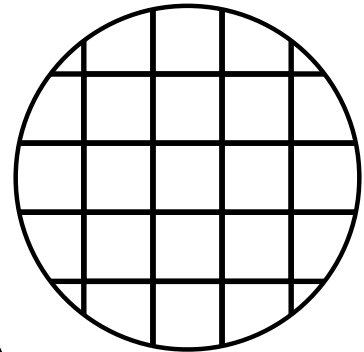
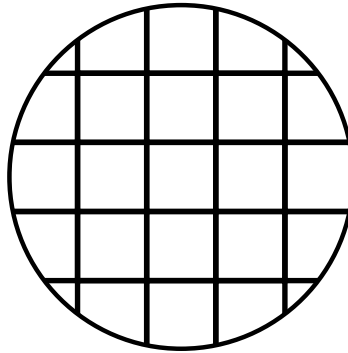
# L'Eggo My Eggo!

Eggo waffles are missing their corners, but the extra edge pieces partially make up for it.

Each set of waffle clues leads to two three-letter answers and three five-letter answers. Place them in a certain order in a waffle grid so that the same five answers read both across and down in the same order.

## Waffle Clue Sets

- Brightness measurement unit
- Drug of dens
- Fred's cartoon wife
- Frequent superhero suffix
- Nocturnal bird
- Colorful parrot
- Fictional tea party guest
- Flood preventer
- Fresh
- "Like a Rolling Stone" musician
- "Exactly!"
- Letter after cee (or before jay?)
- Powerpoint part
- Unsettlingly creepy
- Word on a triangular sign
- For each
- "Last time..." summary
- Melted ice
- Small, like an angle
- Uncooked
- Hyphenated piece of a drum kit
- Major U.S. airport
- Popular British beverage
- Small jump
- Very warm coat



## Extra Edge Pieces

- |                |                   |
|----------------|-------------------|
| • Body parts   | • Lots            |
| • Country      | • Low             |
| • Cut          | • Male first name |
| • Information  | • Rip             |
| • Kitchen item | • Tie             |

## Legato

Certain pieces here have been roughly translated from the original music. The last couple of notes would benefit from a new arrangement, and could help contribute to a new composition.

I tyed the game by kicking the ball into the goal.

They all grabbed the rope and pulled it taut.

As she was repairing the grills, she detached them from the taco carts.

Luckily, from thin air I plucked my favorite conversational topic: pizza!

I logged onto Discord and challenged my friends to a game of Ocular Darts.

Alan got so hammered that his breath had a weird little aroma.

Nobody carried the equipment of anyone else who took part.

These fundraising methods that rely on forcing contributions are bound to faze donors.

Even after gliding on the ice, he kept glossing over just how far the wagons slid.

Routinely separated from the rest of the chocolate were unusually distinct cocoa tips.

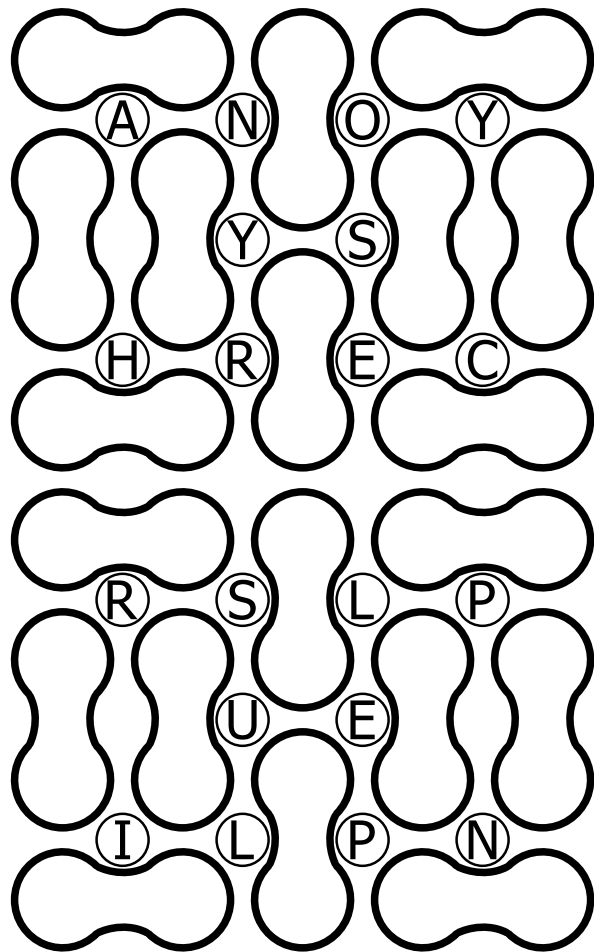
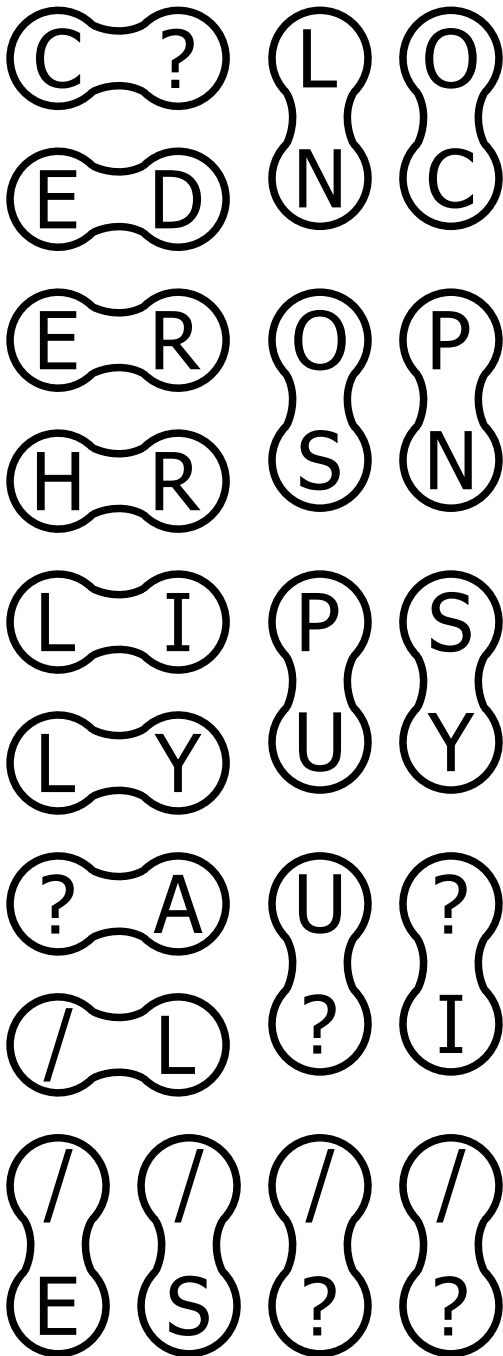
Many people believe it's inevitable that those who choose to push very high limits soar.

Supporting me is much appreciated as I learn to play the guitar, Godpapa.



# Legumes

Peanuts are legumes, but what about packing peanuts? Pack the twenty given peanuts into the diagram at the right. Copy the characters from peanuts exactly as-is, without rotating the peanuts or swapping the halves. The small circles in the diagram indicate a known letter that must appear at least once among the four peanut halves diagonally adjacent to the circle.





*Note: Nothing on this page is a puzzle.*

## Donations

If you enjoyed these puzzles, please consider making a small donation to any of the following groups:

Black Lives Matter: <https://blacklivesmatter.com/>

Black Trans Advocacy Coalition: <https://blacktrans.org/>

British Red Cross: <https://www.redcross.org.uk/>

Feeding America: <https://www.feedingamerica.org/>

## Thanks

Special thanks to test solvers Amber Ramos, David Tuller, and Roger Barkan. Thanks also to the UK's National Health Service for mending my leg two years in a row.