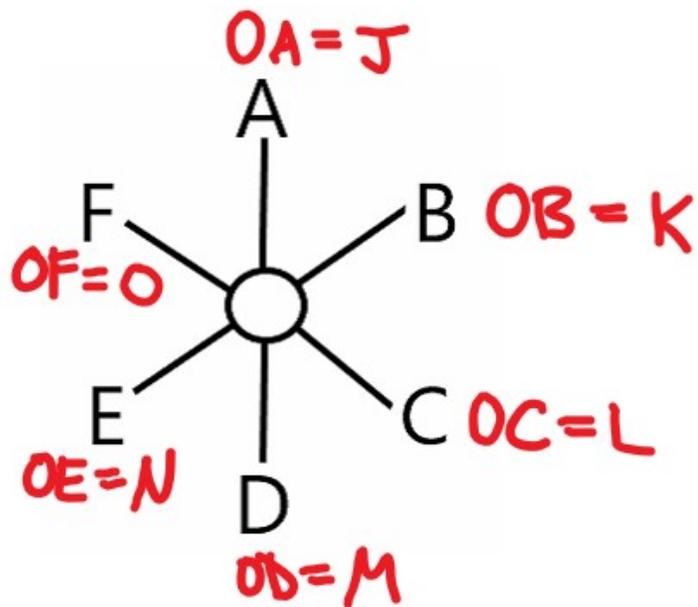




Steering on the Seas

In the middle of the worst weather we've faced, the Captain announced that it's time for me to steer this ship to land. But I'm only a new seafarer; I barely know how the helm works! Why do I have to take the wheel during a storm? Did someone put a *hex* on me? The middle (circle) of the wheel is the 0 in hex code.



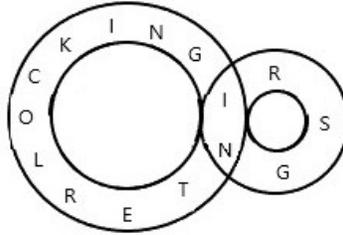
The arrows below indicate the 6 directions on the hex wheel (e.g. up is 0A = J). Imagine my relief when I realized that the Captain was

↑ ↖ ↗ 09 ↙ 07 01 ↘ ↘
 J O K I N G A L L
 01 ↘ ↖ ↙ 07
 A L O N G

Puzzled Pint

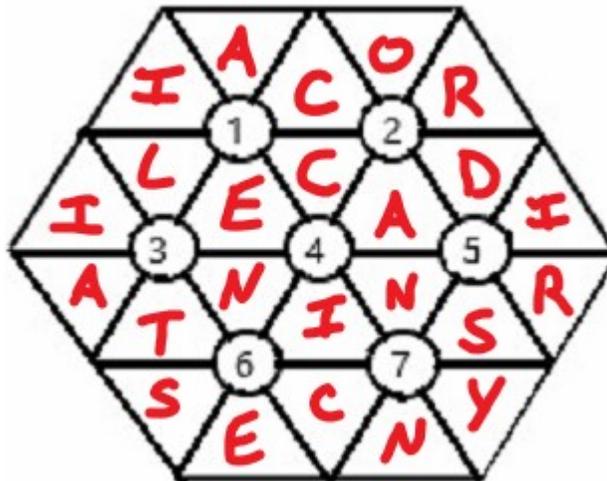


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Now that I've finished my blacksmith training with a master artisan in my village, I am apprenticing to make artwork and armor for Norse soldiers. In learning my craft, I was struck by the beautiful designs featuring interlocking shapes.

On the shield below, each entry is six letters long. Each entry in the six outer rings (i.e. group of 6 triangles around a numbered center) starts in a different position around its center. All words are clockwise.



1. Unable to consume gluten, or relating to the abdomen **CELIAC**
2. Volition, a treaty, or a Honda model **ACCORD**
3. To involve as a necessary part or consequence **ENTAIL**
4. Of or having to do with _____ * **CANINE**
5. Worst times for someone, or the opposite of zeniths **NADIRS**
6. Most pleasant **NICEST**
7. See eye to eye with Justin Timberlake? (2 words) **IN SYNC**

CANINE = of or having to do with DOGS.

* Answer: **DOGS**



Mysterious Runes

Hello, archaeology intern! You've arrived at an exciting time: new Viking artifacts have just been unearthed. The artwork on the artifacts appears to depict trade routes between Arabic countries and Viking nations, while the runes seem to be some sort of accounting notation used by Nordic merchants. Our team is working hard to decipher the runes. We have been **reflecting** on them for a while and could use another person to help us.

Below is one rune that we've deciphered, some equations copied from the artifacts, and finally, the answer to the equation at the bottom is what we need. Good luck!

Each rune is the tens digit turned sideways and printed four times (once regular and three times as reflections). The ones digit is a zero to match the four examples.

$$\text{○○○○} = \text{three}$$

$$\text{○○} + \text{▷◁} = \text{○○}$$

$$\text{▷◁} + \text{○○○○} = \text{▷◁}$$

$$\text{▷◁} + \text{◁▷} = \text{○○}$$

$$\text{○○} + \text{○○○○} = \text{○○○○}$$

$$\text{○○} + \text{◁▷} = ? \text{ TEN}$$

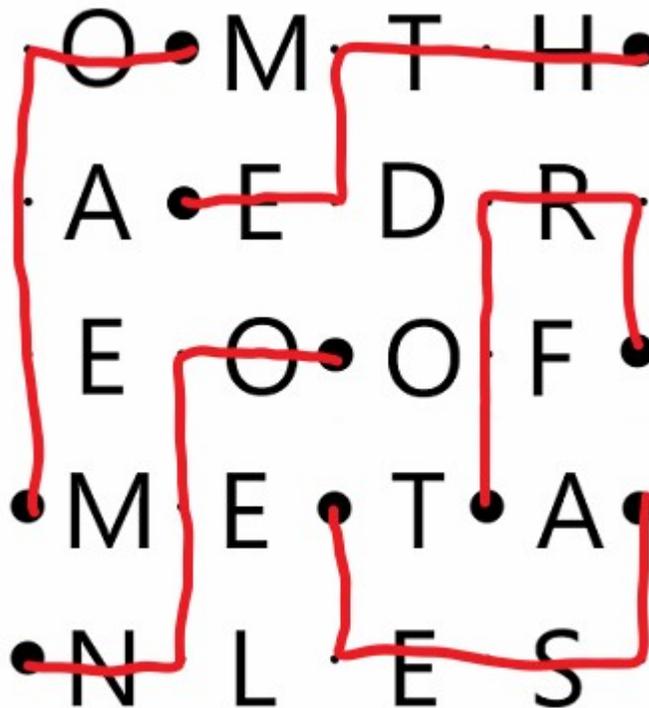


Workin' Hard in Midgard

It is now peacetime, which means... time to get strong for the next battle! I've set up a 5 by 5 grid of workout tasks in my yard. On Mani's day (Monday) through Frigg's day (Friday), I will take a differently-shaped* path. I will start and end with a hard task (the large dots) and will do only easy tasks (the small dots) in between. I will do each task exactly once during my 5-day workout week and I will do the same number of tasks each day. I will only move orthogonally, not diagonally. I will do each task that I encounter, i.e. if I arrive at a dot then I will do that task.

*Rotations of a shape do not count as differently-shaped.

If a team goes for the crossed-out letters, they spell "other ones," which is a hint that it's the uncrossed letters that are the solution.



If I keep up with my workout routine week after week, maybe one day I will be as strong as if I were **MADE OF METAL**.

Puzzled Pint



August 2021

Vikings, Vikings, and more Vikings!

Page 1 of 2

We need a crew of exactly five people for our upcoming raid. In rank order of top-ranked to bottom-ranked, the crew is: a helmsman, a skipper, a holumenn, a journeyman cook, and a bard. We'll be sailing under the mighty flag of VVV (Vikings, Vikings, and more Vikings!) with Thor's mighty hammer emblazoned on the side of our ship for good luck. The nine applicants are:

Frans the Fast
Slagvi the Slow
Tarr the Tall
Shevi the Short
Lars the Loud
Quig the Quiet
Smidr the Smelly
Haddr the Hairy
Petronilla the Pale

1. No crewmember's name starts with the same letter as another crewmember's name.
2. In his youth, Lars was Haddr's and Quig's apprentice so neither Haddr nor Quig is willing to now be outranked by Lars
3. As decorated warriors, Petronilla and Lars know that they get good results by being in charge so they each applied to be only the helmsman or the skipper.
4. Haddr and Quig got into a brawl and refuse to work on a crew together.
5. One copy of the crew manifest is listed in rank order of top-ranked to bottom-ranked, while the other copy is listed alphabetically by name. Only Frans and Smidr maintain the same positions on both lists.

Rules 1 & 5 → eliminate Slagvi & Shevi.

Rule 5 → Frans is 1st alphabetically out of all 9 people so Frans must be the helmsman.

Rule 3 → Thus, Petronilla/Lars could only be the skipper.

Rule 2 → Thus, Lars can't be the skipper. So, eliminate Lars.

Rule 4 → Haddr or Quig will be the 4th (i.e. last) eliminated person. So, Petronilla must be on the crew. Thus, Petronilla is the skipper.

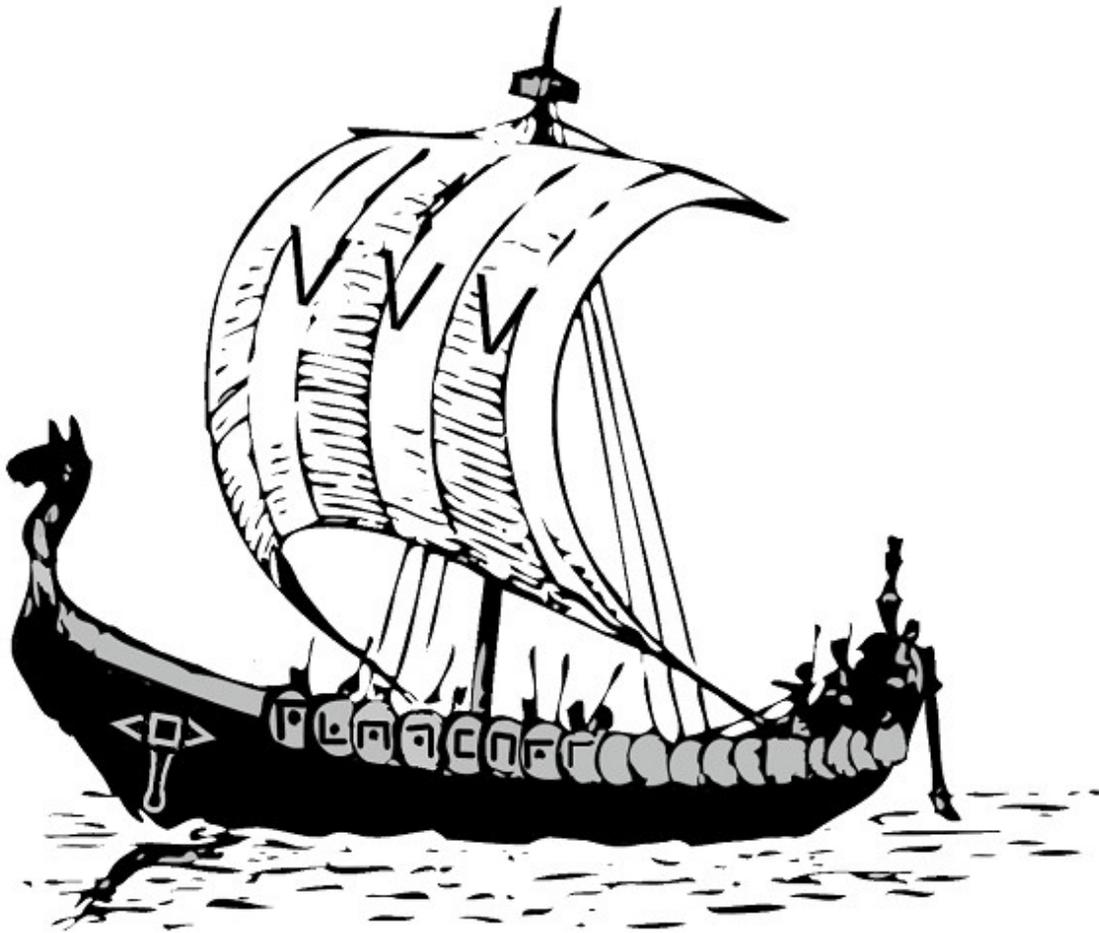
Rule 5 → Quig can't be on the ship so eliminate Quig.

So, the crew (in rank order, though the order isn't needed for p. 2) is: Frans, Petronilla, Tarr, Smidr, and Haddr.



Plot twist: the ship's cargo has gone missing! Now that you've figured out which five of the applicants will be on the crew, eliminate them [F, P, T, S, H] as suspects on the boat, and finally, unscramble the remaining 9 letters to find out which animals have been eating the ship's cargo.

14 pigpen letters on the ship (3 on the flag, 8 on the shields, and 3 in Thor's hammer) → eliminate F, P, T, S, H and unscramble the other 9 to get SQUIRRELS.



Answer: **SQUIRRELS**

Puzzled Pint



August 2021

Loki The Changeling

Loki, that changeling trickster! He has worked his magic such that each clue to the left of the arrow yields a word that is one letter different than a word (the clue to the right of the arrow) that fits the category. The categories are your main set answers (though they are not in the same order that the puzzles were in).

Category: **SQUIRRELS**

archaic form of “you” → a type of plant (4) **tHee → tree**

enemy → a type of animal (3) **foE → fox**

nearby or encircling → the soil (6) **Around → ground**

cooking in a greasy pan → a mode of transportation (6) **fRying → flying**

Category: **TEN**

stays → anatomical parts (7) **Lingers → fingers**

decrypt → an amount of time (6) **decOde → decade**

wordplays → items used in bowling (4) **pUns → pins**

performs an action → anatomical parts (4) **Does → toes**

Category: **DOGS**

disaccharide made of two linked glucose units → from Malta (7) **maltOse → maltese**

sharp → a helpful hint (7) **pointeD → pointer**

ham source → a type of nose (3) **pIg → pug**

pasta piece → a type of skirt popular in the USA in the 1950s (6) **Noodle → poodle**

Category: **MADE OF METAL**

stronghold sometimes made of pillows → split into two parts (4) **forT → fork**

a light stroke of the hand, or a piece of butter → a cooking vessel for soup (3) **pAt → pot**

a type of beer → a weapon (3) **aLe → axe**

the most important chess piece → a circular band (4) **King → ring**

What do we expect to do as we sit down to have our family reunion dinner of Viking gods?

Answer: **HEAR LOUD ODIN TALK**

Puzzled Pint



August 2021

Norse Code

Those pesky mortals; they are so untrustworthy that we have to *encode* everything we say! Figure out what each question mark represents in order to reveal something that should be on every Viking ship.

Each deity is using a different cipher from the Puzzled Pint Code Sheet.

Hex
 $05 + 05 = 10$
 $09 + 10 = 19$

$E + E = P$
 $I + P = Y$



Frigg

$H + D = ?$

Hex
 $08 + 04 = 12$
 $H + D = \boxed{R}$

Morse code
 $-_ + _ = _-_$
 $-\dots + \cdot = _-\dots$

$T + T = M$
 $D + E = B$



Freya

$M + T = ?$

Morse code
 $-_ + _ = _-_$
 $M + T = \boxed{O}$

Braille
 $\begin{matrix} \cdot & \cdot & \cdot \\ \cdot & \cdot & \cdot \end{matrix} + \begin{matrix} \cdot & \cdot & \cdot \\ \cdot & \cdot & \cdot \end{matrix} = \begin{matrix} \cdot & \cdot & \cdot \\ \cdot & \cdot & \cdot \\ \cdot & \cdot & \cdot \end{matrix}$
 $\begin{matrix} \cdot & \cdot & \cdot \\ \cdot & \cdot & \cdot \end{matrix} + \begin{matrix} \cdot & \cdot & \cdot \\ \cdot & \cdot & \cdot \end{matrix} = \begin{matrix} \cdot & \cdot & \cdot \\ \cdot & \cdot & \cdot \\ \cdot & \cdot & \cdot \end{matrix}$

$S + E = Q$
 $A + J = G$



Odin

$K + I = ?$

Braille
 $\begin{matrix} \cdot & \cdot & \cdot \\ \cdot & \cdot & \cdot \end{matrix} + \begin{matrix} \cdot & \cdot & \cdot \\ \cdot & \cdot & \cdot \end{matrix} = \begin{matrix} \cdot & \cdot & \cdot \\ \cdot & \cdot & \cdot \\ \cdot & \cdot & \cdot \end{matrix}$
 $K + I = \boxed{P}$

Pigpen
 $\begin{matrix} \lrcorner & + & \lrcorner & = & \lrcorner \\ \llcorner & + & \llcorner & = & \llcorner \end{matrix}$

$A + G = D$
 $C + I = F$



Thor

$A + I = ?$

Pigpen
 $\begin{matrix} \lrcorner & + & \lrcorner & = & \lrcorner \\ \llcorner & + & \llcorner & = & \llcorner \end{matrix}$
 $A + I = \boxed{E}$