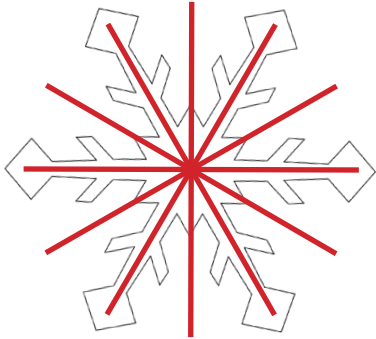


Snefnug

1 Se på snefnug med et spejl i hånden

Snefnug har seks spejlingsakser.



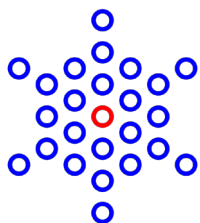
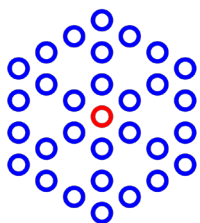
Prøv at placere et spejl på de seks spejlingsakser på hver af snefnuggene nedenfor. Hvilke af snefnuggene er ikke helt symmetriske?



2 Byg et snefnug på sekskantet perleplade

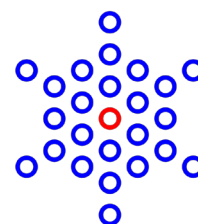
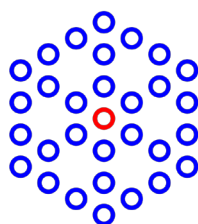
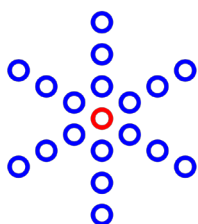
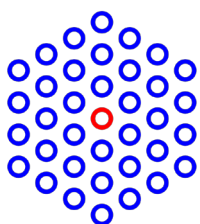
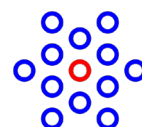
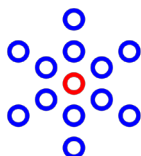
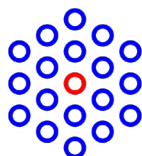
Man kan bygge snefnug på en sekskantet perleplade. Husk at sørge for, at snefnugget får seks spejlingsakser.

Prøv at bygge et af disse snefnug.



3 Hvor mange perler er der?

Hvor mange perler er der i hvert af disse sekskanter og snefnug?



4 Lav regnestykker, der giver antallet af perler

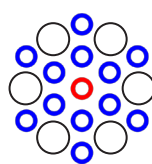
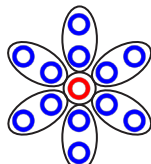
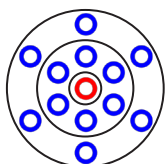
Man kan regne sig frem til antallet af perler, for eksempel med disse regnestykke:

$$1 + 6 + 6 = 13$$

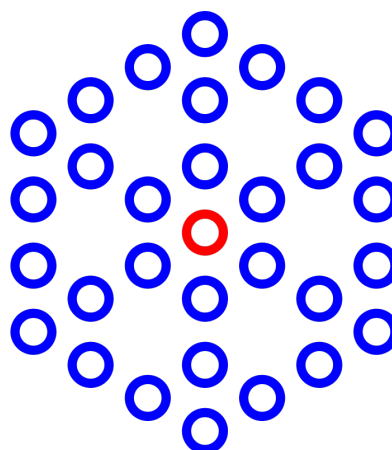
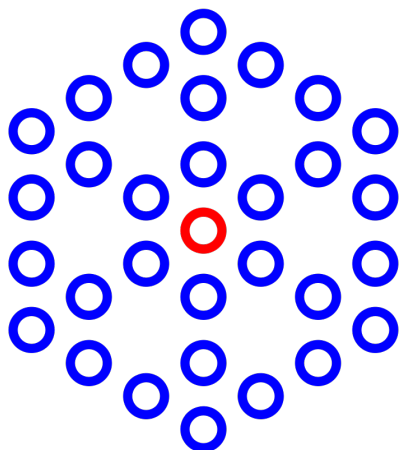
$$2 + 2 + 2 + 2 + 2 + 2 + 1 = 13$$

$$19 - 6 = 13$$

(hvis man ved, at der er 19 i hele sekskanten)



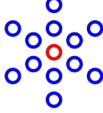
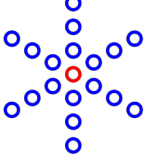
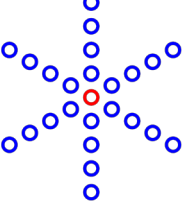


Lav mindst to forskellige regnestykker, der viser, hvor mange perler der er i dette snefnug:



5 Hvordan vokser snefnuggene?

Er der et system i, hvordan de forskellige snefnug vokser? Tæl antal perler i hvert af snefnuggene. Find bagefter forskellene mellem antal perler i snefnuggene.

| | | | | | |
|--------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Snefnug |  |  |  |  |  |
| Perler i alt | 1 | 7 | | | |
| Forskel | | $7 - 1 = 6$ | | | |

6 Byg et snefnug, og forklar en ven, hvordan dit snefnug ser ud

Byg dit eget snefnug på en perleplade.

Bagefter skal du forklare en anden, hvordan dit snefnug ser ud, så han eller hun kan bygge et snefnug, der præcis ligner dit. Du må ikke vise dit snefnug frem eller tegne det, du må kun bruge ord.