

1 km^3

1000 hm^3

$10 \text{ hm} \cdot 10 \text{ hm} \cdot 10 \text{ hm}$

1 hm^3

1000 dam^3

$10 \text{ dam} \cdot 10 \text{ dam} \cdot 10 \text{ dam}$

1 dam^3

1000 m^3

$10 \text{ m} \cdot 10 \text{ m} \cdot 10 \text{ m}$



1 m^3

1000 dm^3

$10 \text{ dm} \cdot 10 \text{ dm} \cdot 10 \text{ dm}$

1 dm^3

1000 cm^3

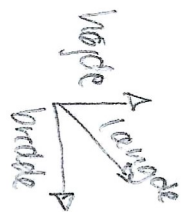
$10 \text{ cm} \cdot 10 \text{ cm} \cdot 10 \text{ cm}$

1 cm^3

1000 mm^3

$10 \text{ mm} \cdot 10 \text{ mm} \cdot 10 \text{ mm}$

$\text{m}^3 = \text{Kubikmeter}$



1 m^3

1000 dm^3

1000000 cm^3

1000000000 mm^3

1000000000 m^3

1000000 dam^3

1000 hm^3

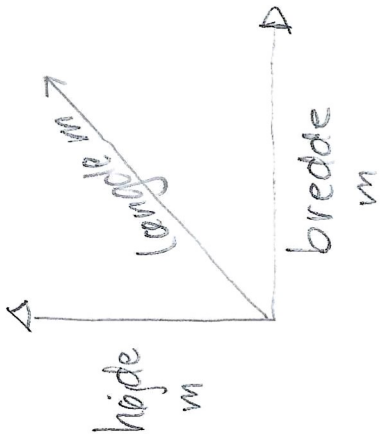
1 km^3

$\cdot 1000$

$\cdot 1000$

$\cdot 1000$

man putter ting i en
kasse 3D



$$m \cdot m \cdot m = m^3$$

$$\begin{matrix} m \\ m \\ m \end{matrix} \text{ = kubikmeter} \\ m^3$$

m^3

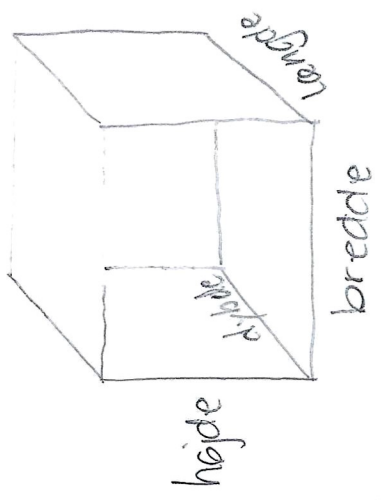
$$m \cdot m \cdot m$$

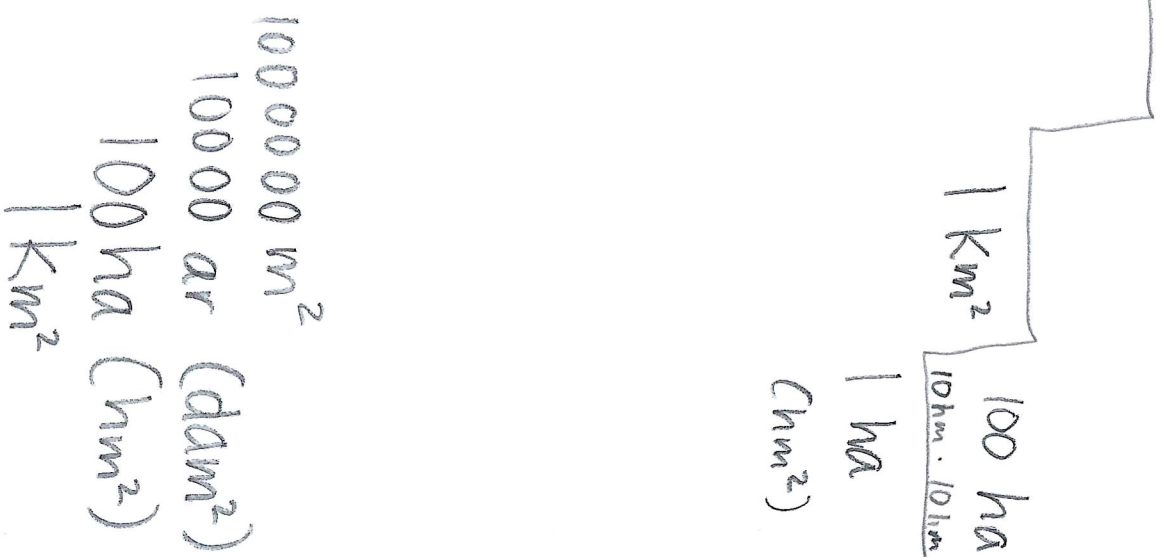
Volume

Rum

flanne

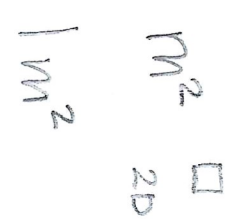
eksempler på rum:
akvarie - kasse - værelse
den en side gang
den anden side gang
den tredje side



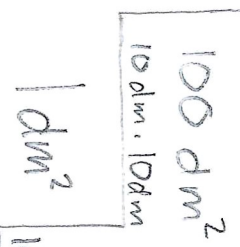


1000000 m^2
 10000 ar (dam^2)
 100 ha (hm^2)
 1 km^2

$\text{m}^2 = \text{Kvadratmeter}$

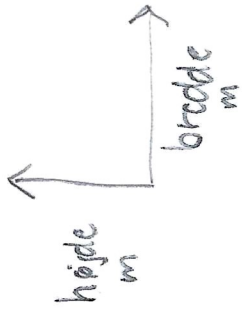


$\cdot 100$



1 m^2
 10000 dm^2
 100000 cm^2
 1000000 mm^2

man tegner på en
flade 2D



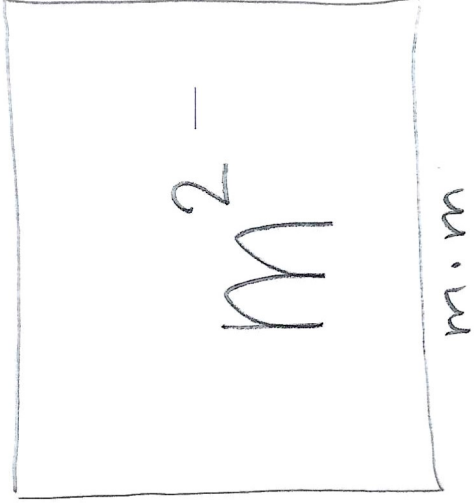
Vi måler i m begge

veje.

højde · bredde

$$m \cdot m = m^2$$

$$m \square_m = \text{kvadrater} \text{ meter}$$
$$m^2$$



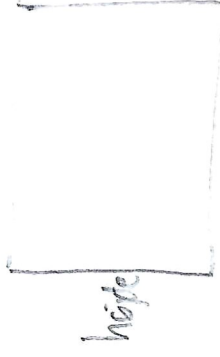
Areal

flader

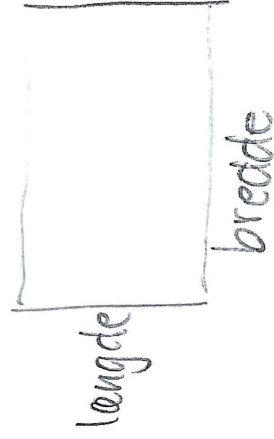


eksempler på flader:
gulv - væg - vindue

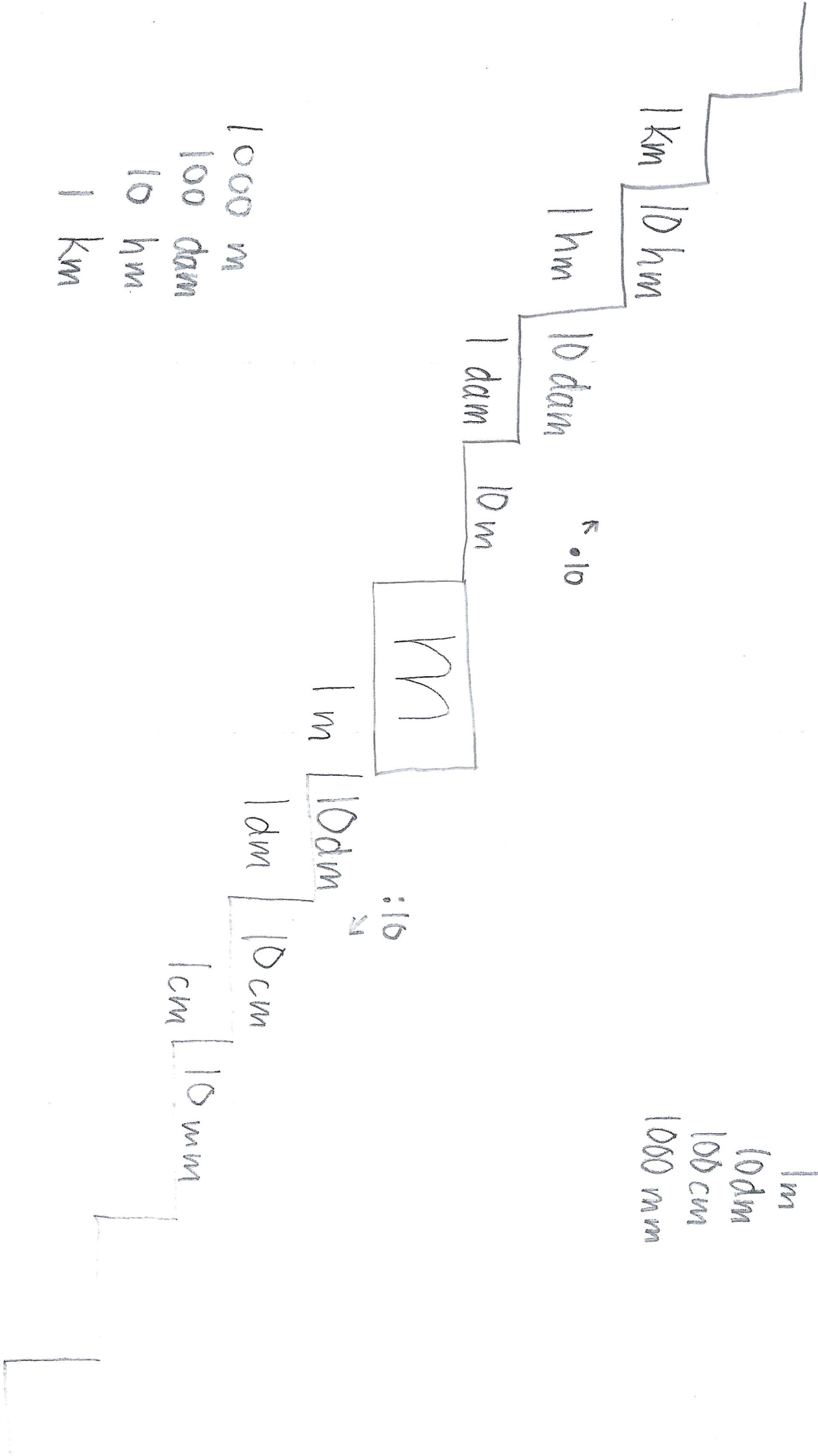
den ene side gange
den anden side



(hvis den står op)



(hvis den ligger ned)



1000 m
 100 dam
 10 hm
 1 km

1 m
 10 dm
 100 cm
 1000 mm

M

← 10

← 10

m = meter

d = deci (delt; 10)

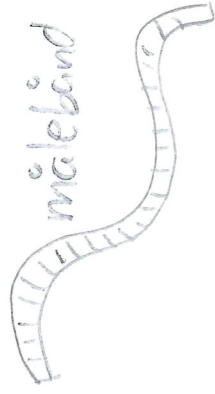
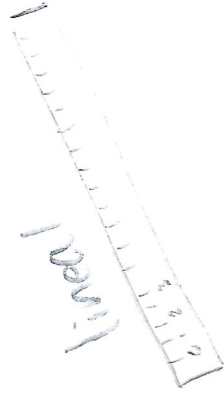
c = centi (delt; 100)

m = milli (delt; 1000)

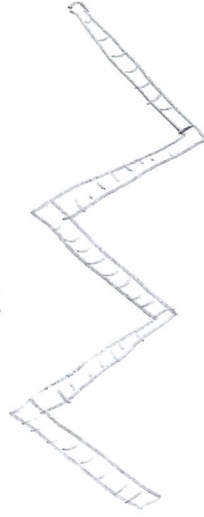
da = deka (gange med 10)

h = hekto (gange med 100)

k = kilo (gange med 1000)



tommesløk



m

Mester Meter

... måler længder

Hanne

1 m = 10 dm

1 m = 100 cm

1 m = 1000 mm

1 m = 1 m

10 m = 1 dam

100 m = 1 hm

1000 m = 1 km

vi måler -fra

det ene sted til

det andet:

længde

Klokken er:

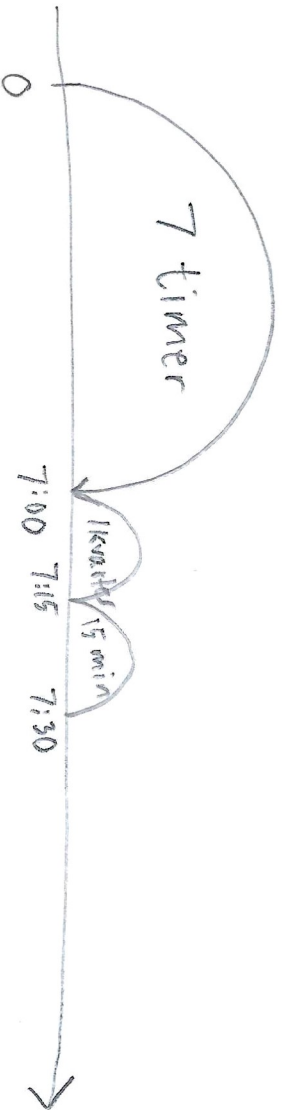
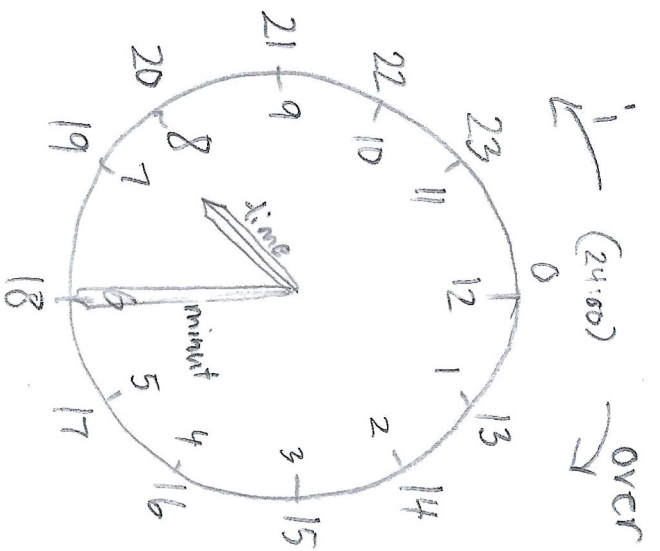
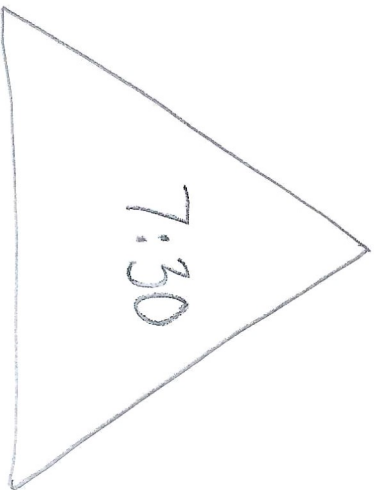
- syv tredive
- halv otte (halv ni mod otte)
- tredive min. i otte

n = 1 minut

n = 5 min

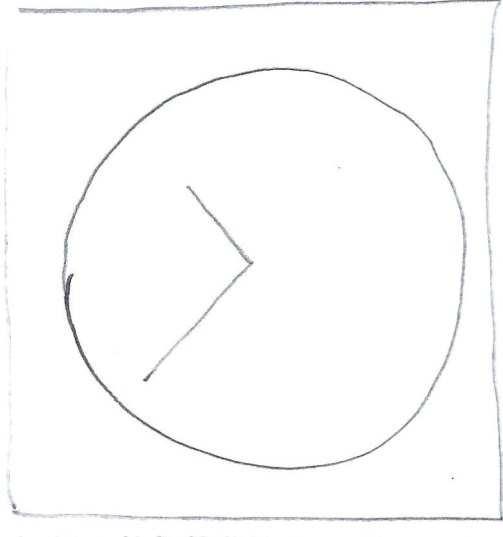
n = 1 kvarte (15 minutter)

n = 1 time



| år = 365 dage
| år = 12 måneder
| måned = 28 → 31 dage
| måned ≈ 4,2 uger
| uge = 7 døgn

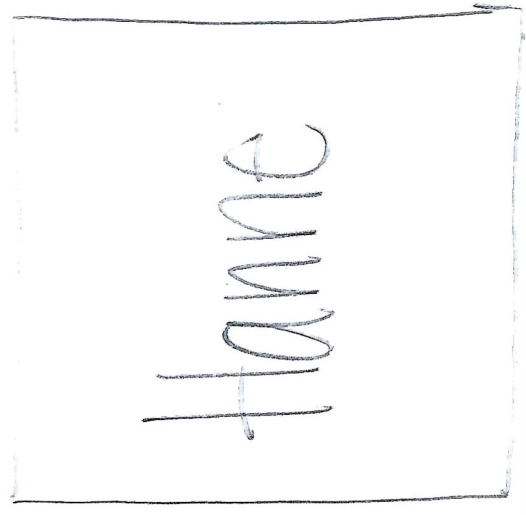
januar
februar
marts
april
maj
juni
juli
august
september
oktober
november
december



| døgn = 24 timer
| time = 60 minutter
| minut = 60 sekunder
| sekund = 100 dele

tidsrøveren

bestemt tid:
Klokkeslæt = tidsrummet
f.eks. kl. 8:00
tidsrum:
fra et tidspunkt til et andet.
f.eks. fra kl. 8:00 til 9:00
tidsrum = 1 time



Så det giver?

$$2 \cdot 32 = 64$$

... men...

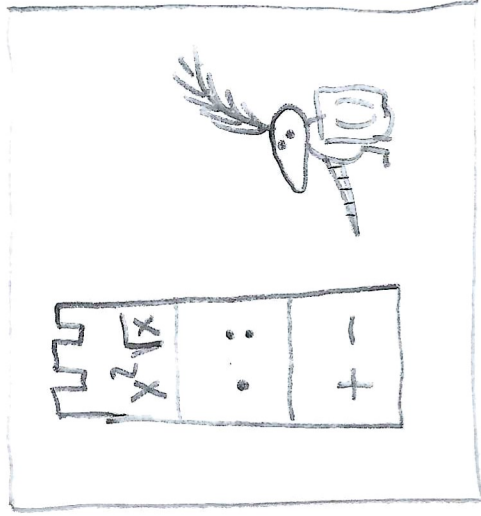
vi kan få det til
at give 48 med
parenteser

$$(2+4) \cdot 8 = 48$$

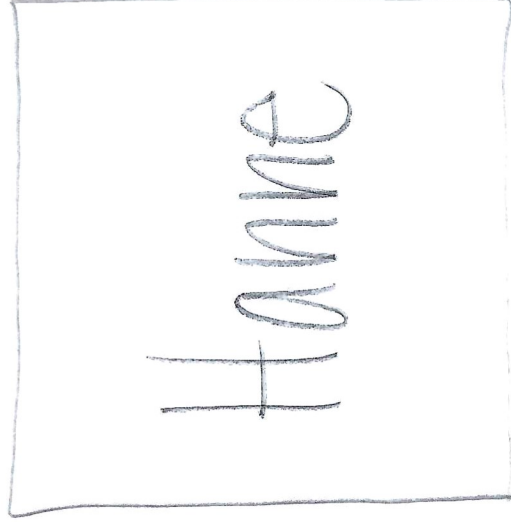
Parenteser beskytter
indtagelserne



Prins Parentes



Regnearternes
hierarki



hvad giver?

$$2 + 4 \cdot 8$$

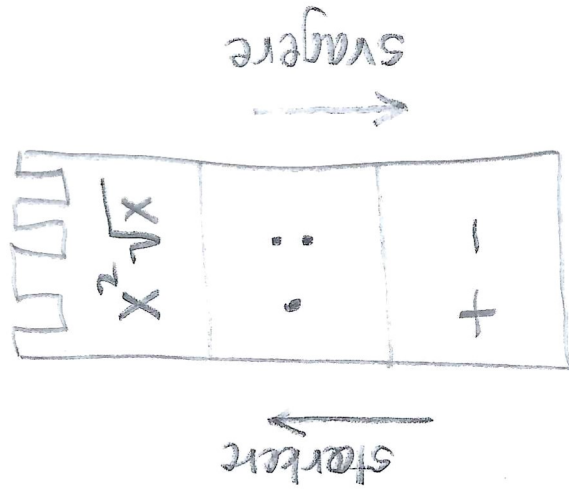
er det...

$$6 \cdot 8 = 48?$$

eller

$$2 \cdot 32 = 64?$$

Spilleregler til
udregninger:



må ikke bytte om

- minus

trække fra

finde forskel

subtraktion

: dele

uddele

opmåle

division

må bytte om

+ plus

lægge til

lægge sammen

addition

• gange

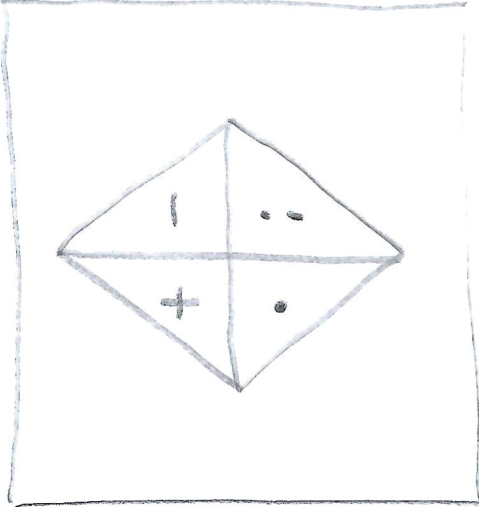
mangedoble

multiplikation

< mindre end

> større end

= lig med



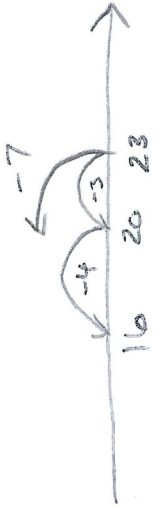
Symboler

&

tegn

Hanne

$$23 - 7 = 16$$



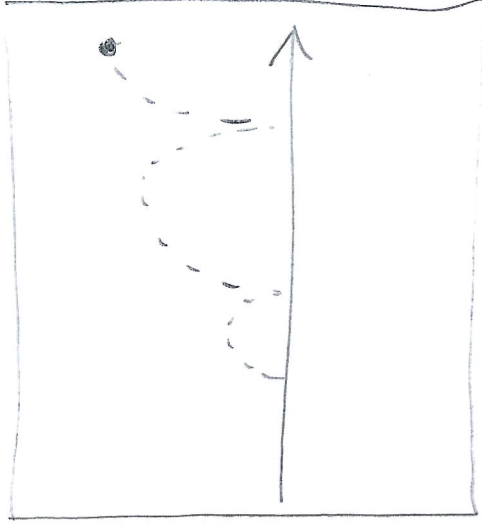
$$166 - 154 = \text{forskel}$$



$$: 15 : 2$$



store tal \rightarrow uddeling

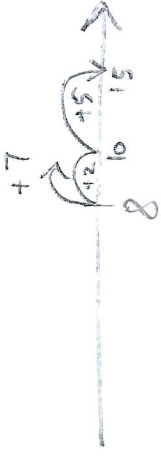


Frem/tilbage

Portioner
der
passer

Hanne

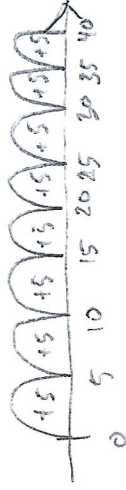
$$+ 8 + 7$$



$$3 + 21$$



$$\cdot 8 \cdot 5 = 40$$



store tal \rightarrow areal

$$1873 + 8301$$

$$1000 + 800 + 70 + 3 + 2000 + 300 + 60 + 1$$

$$9000 + 1100 + 70 + 4$$

$$10174$$

$$73 + 26 + 83$$

$$70 + 3 + 20 + 6 + 80 + 3$$

$$70 + 6 + 100 + 6$$

$$170 + 12$$

$$182$$

$$123 \cdot 456$$

$$400$$

$$400 \cdot 3 = 1200$$

$$400 \cdot 20 = 8000$$

$$400 \cdot 100 = 40000$$

$$50$$

$$50 \cdot 3 = 150$$

$$50 \cdot 20 = 1000$$

$$50 \cdot 100 = 5000$$

$$6$$

$$6 \cdot 3 = 18$$

$$6 \cdot 20 = 120$$

$$6 \cdot 100 = 600$$

$$150$$

$$456$$



$$400000 + 8000 + 5000 + 1000 + 1200 + 600 + 150 + 120 + 18$$



$$843 - 931$$

$$-30 \quad 813 - 901$$

$$-800 \quad 13 - 101$$

$$-1 \quad 12 - 100$$

$$-10 \quad 2 - 90$$

$$-2 \quad 0 - 88 = -88$$

$$\frac{4356}{324}$$

forkort med 2

$$\frac{2178}{162}$$

$$\frac{1089}{81}$$

forkort med 3

$$\frac{363}{27}$$

$$\frac{121}{9}$$

$$\begin{array}{r} - 14-6 \\ \times 4 \\ \times 2 \end{array} \quad \begin{array}{r} 10-2 \\ 8-0=8 \end{array}$$

$$\begin{array}{r} 63-27 \\ \times 20 \\ \times 3 \\ \times 4 \end{array} \quad \begin{array}{r} 43-7 \\ 40-4 \\ 36-0=0 \end{array}$$

Skille/fiene

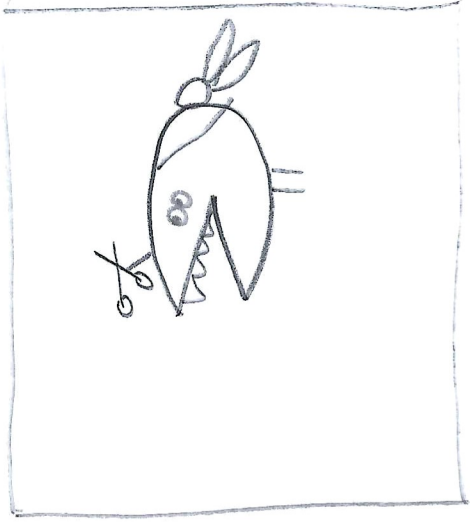
$$\begin{array}{r} 15:4=3 \text{ rest } 3 \\ 0 \ 0 \ 0 \ 0 \\ 2 \ 2 \ 2 \ 2 \\ 1 \ 1 \ 1 \ 1 \end{array}$$

$$15:4=3$$

$$\begin{array}{r} 15-4=11 \text{ en} \\ 11-4=7 \text{ to} \\ 7-4=3 \text{ (3)rc} \\ \text{rest } 3 \end{array}$$

skille/uddere

skille/opnåle (gutenge subtraktion)



Skille/samle

portioner der passer

Sushichefen

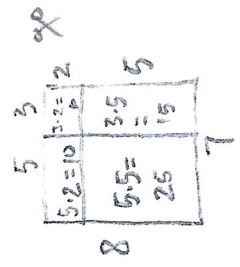
Hanne

$$\begin{array}{r} + 6+7 \text{ (10-ven)} \\ 3+3+7 \\ 3+10 \\ 13 \end{array}$$

$$\begin{array}{r} \times 43+88 \\ 40+3+20+8 \\ 120+11 \\ 131 \end{array}$$

Skille/samle

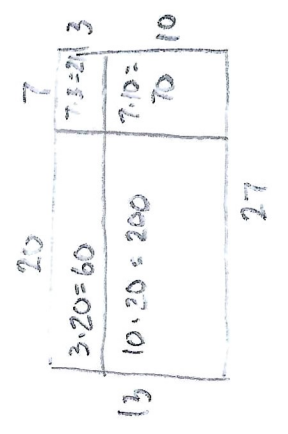
$$8 \cdot 7$$

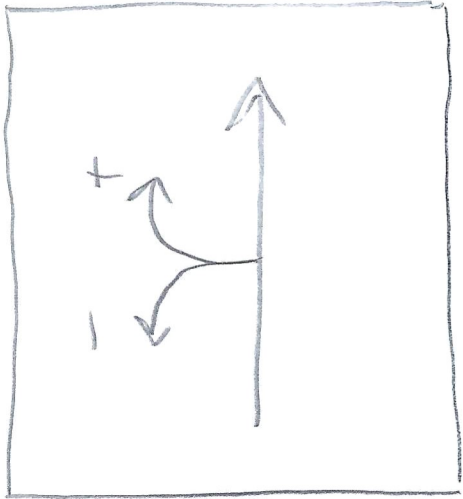
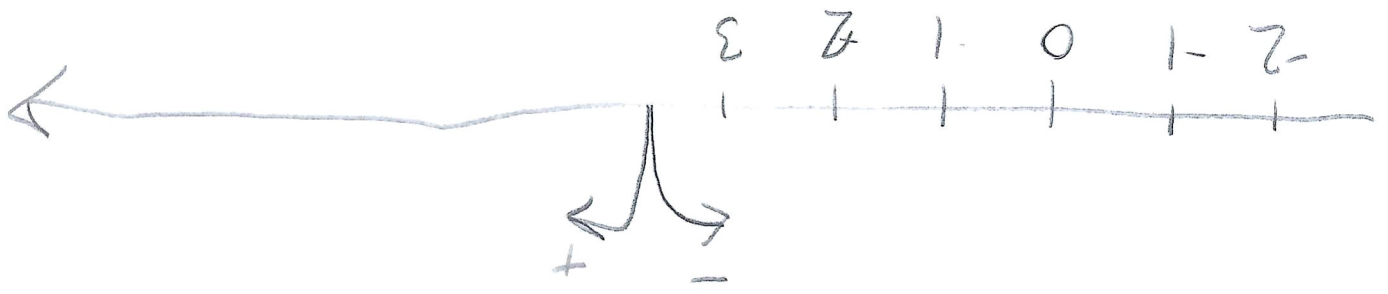


$$25+10+15+6=56$$

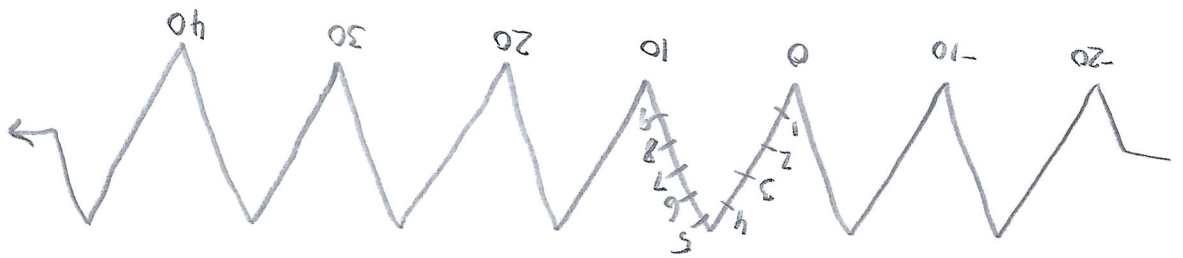
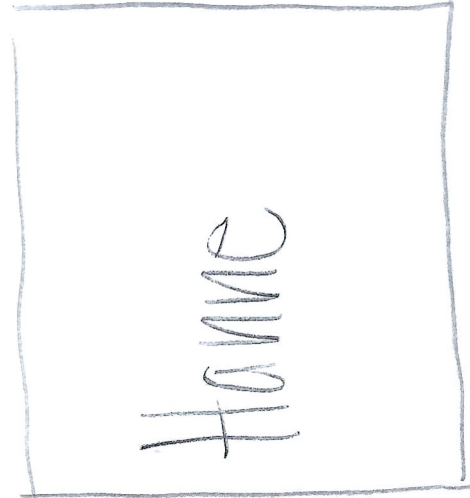
$$13 \cdot 27$$

Skille/doble



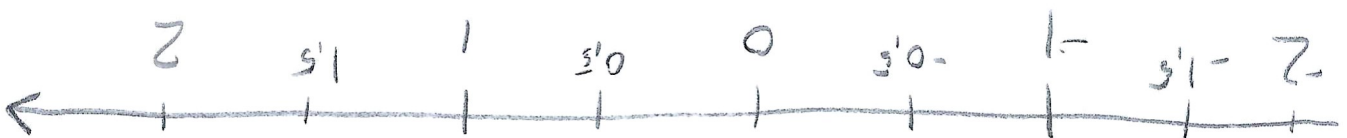


tallinger
atrunding

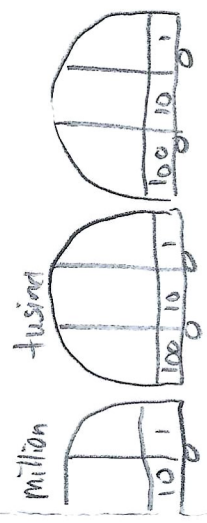


0-4 ≈ 0 5-9 ≈ 10

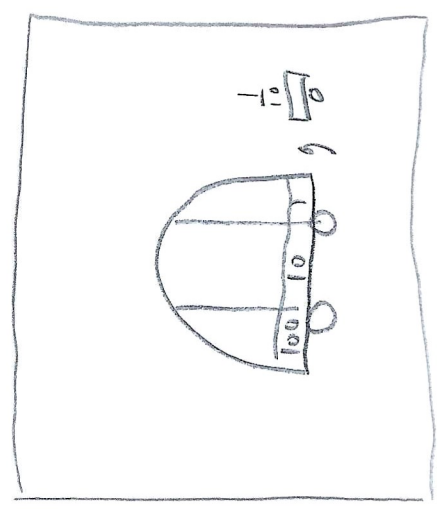
atrunding



De hele



en - ere
 ti - ere
 hundreder
 et - tusind
 ti - tusind
 hundreder - tusind
 en - million
 ti - million



Positionssystemet

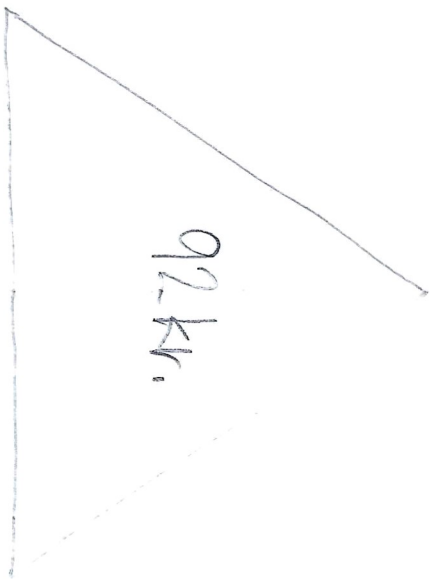
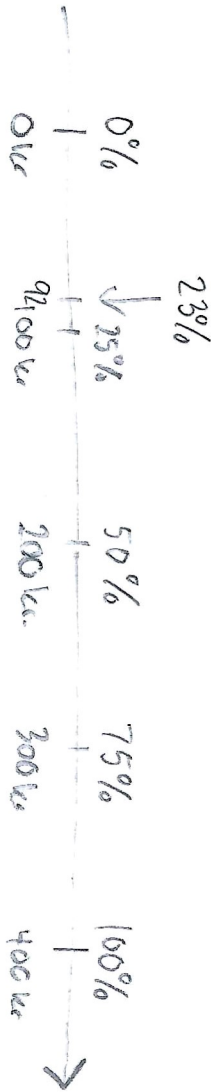
Hanne

del dele

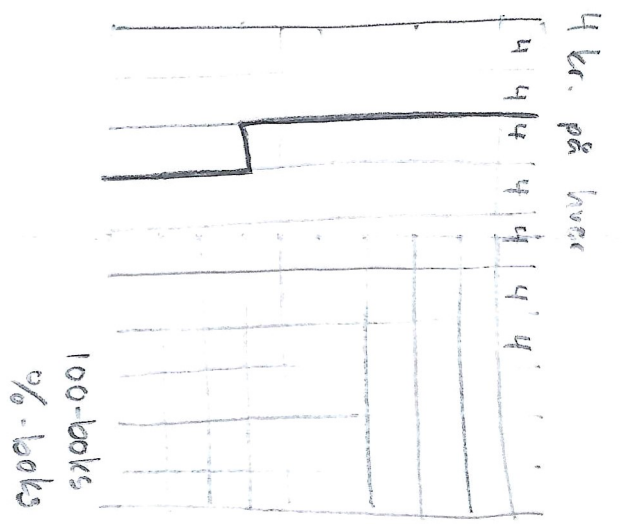


tusind - dele
 hundreder - dele
 tiendedele

23% af 400kr.



Jeg tager de 23 folter:
 $23 \cdot 4 = 92kr.$



A hand-drawn percentage symbol consisting of two circles and a diagonal slash, enclosed in a rectangular box.

Procent

= per 100-dele

...en procent del

The word 'flanne' written in a cursive, hand-drawn style, enclosed in a rectangular box.

$\frac{1}{5}$ of 200 k.

200 k

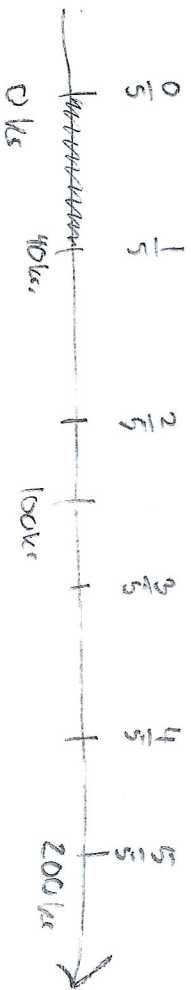
40 k

40 k

40 k

40 k

40 k



$$\frac{1}{X}$$

brøker

... en brøkdel

B

Hanne

teller

snuppe

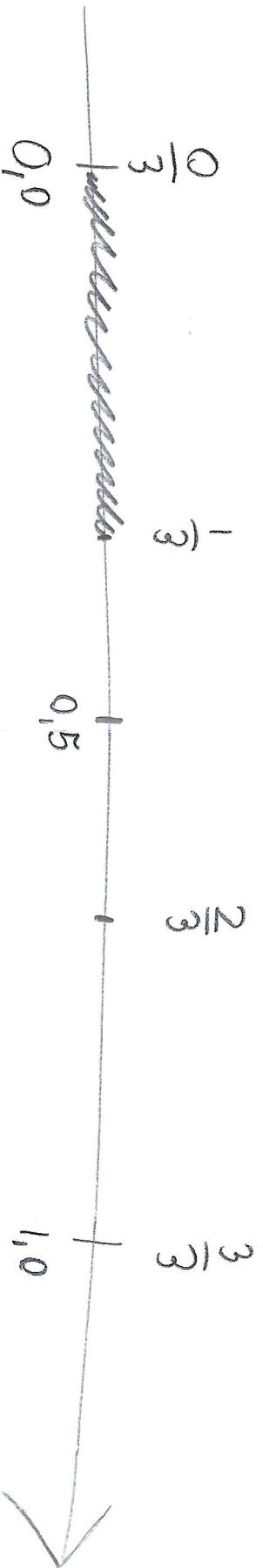
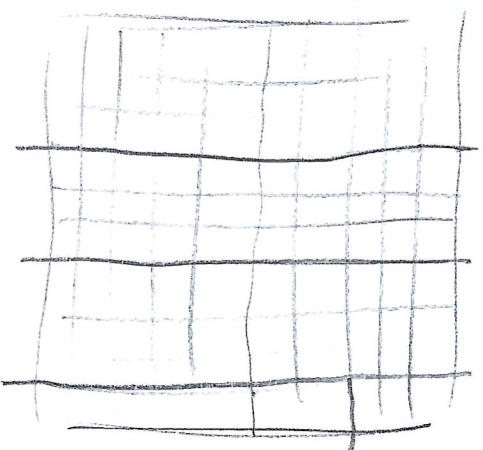
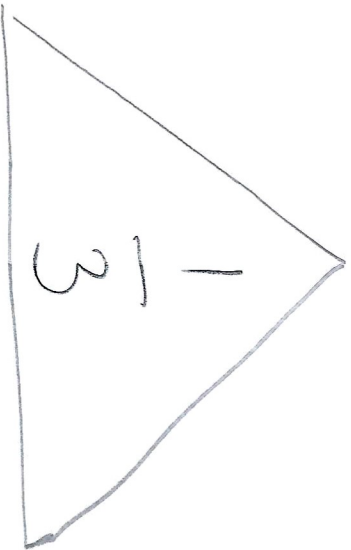
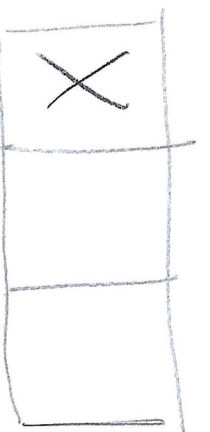
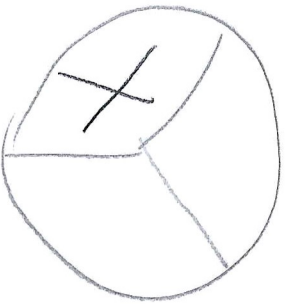
brøkstrøg

nevner

inddeler

en ud af tre

en tredjedel



$\frac{1}{X}$

teller

den der snupper

brøkstreg

brøker

nævner

den der inddeles

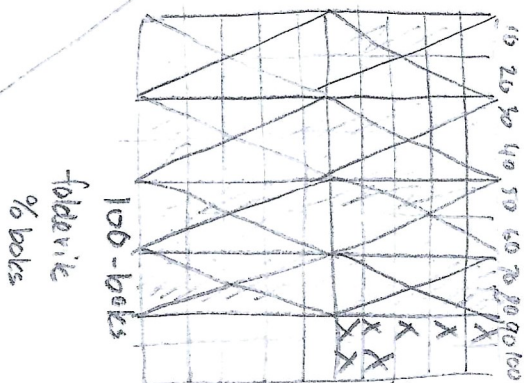
A
flamme

Sprog

syv og firs

otte ti syv

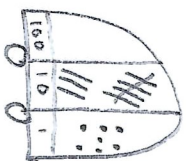
bokse



87

Antal

tal taxa

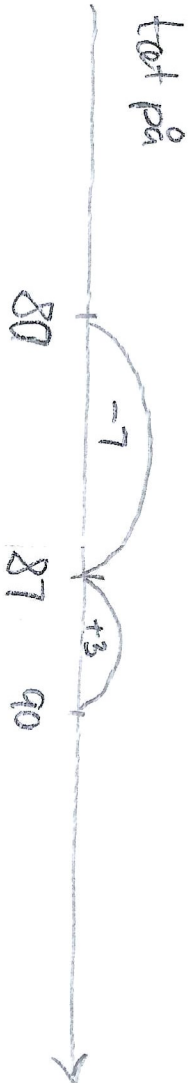
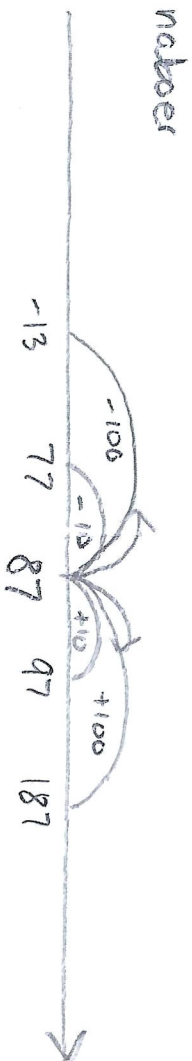


ment-form



opris udvidet

80+7



10 en ti nul

20 to ti nul

30 tre ti nul

40 fire ti nul

50 fem ti nul

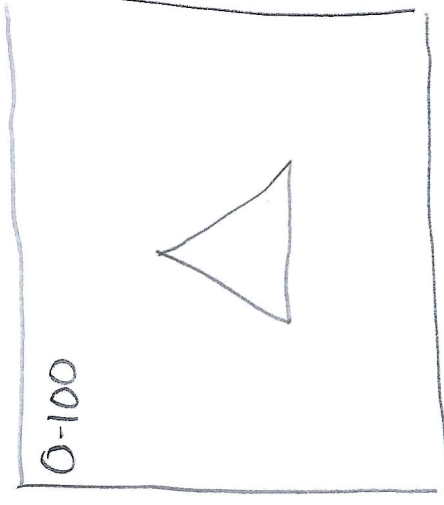
60 seks ti nul

70 syv ti nul

80 otte ti nul

90 ni ti nul

100 (ti ti nul)
et hundrede



tallenes

trigon

at forstå tal

HANNE

10 ti

20 tyve

30 tredive

40 fyrre

50 halvtreds

60 tres

70 halvfjerds

80 firs

90 halvfems

100 hundrede

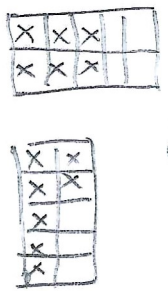
Sprog

nissesprog

seks

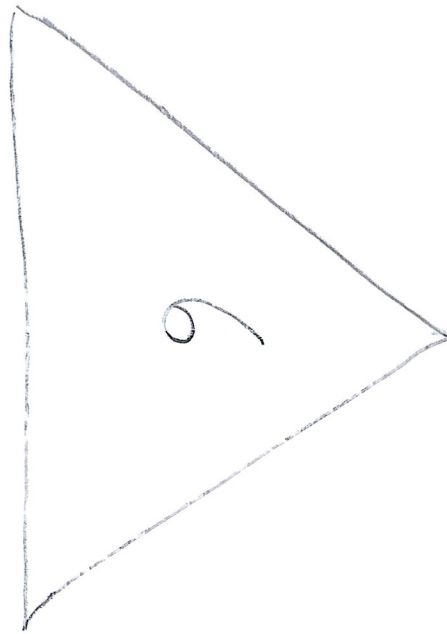
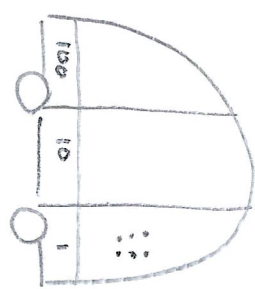


bokse



Antal

tal taxa



fra nul



mentform

- ① ② ② ①

naboer



- 0+6
3+3

tæt på



10: ti
enti nul

11: elleve
enti en

12: tolv
enti to

13: tretten
enti tre

14: fjorten
enti fire

15: femten
enti fem

16: seksten
enti seks

17: sytten
enti syv

18: atten
enti otte

19: nitten
enti ni

20: tyve
to ti nul

0-20



tallenes
trigon

-at forstå tal

Hanne

0: nul

1: en/et

2: to

3: tre

4: fire

5: fem

6: seks

7: syv

8: otte

9: ni