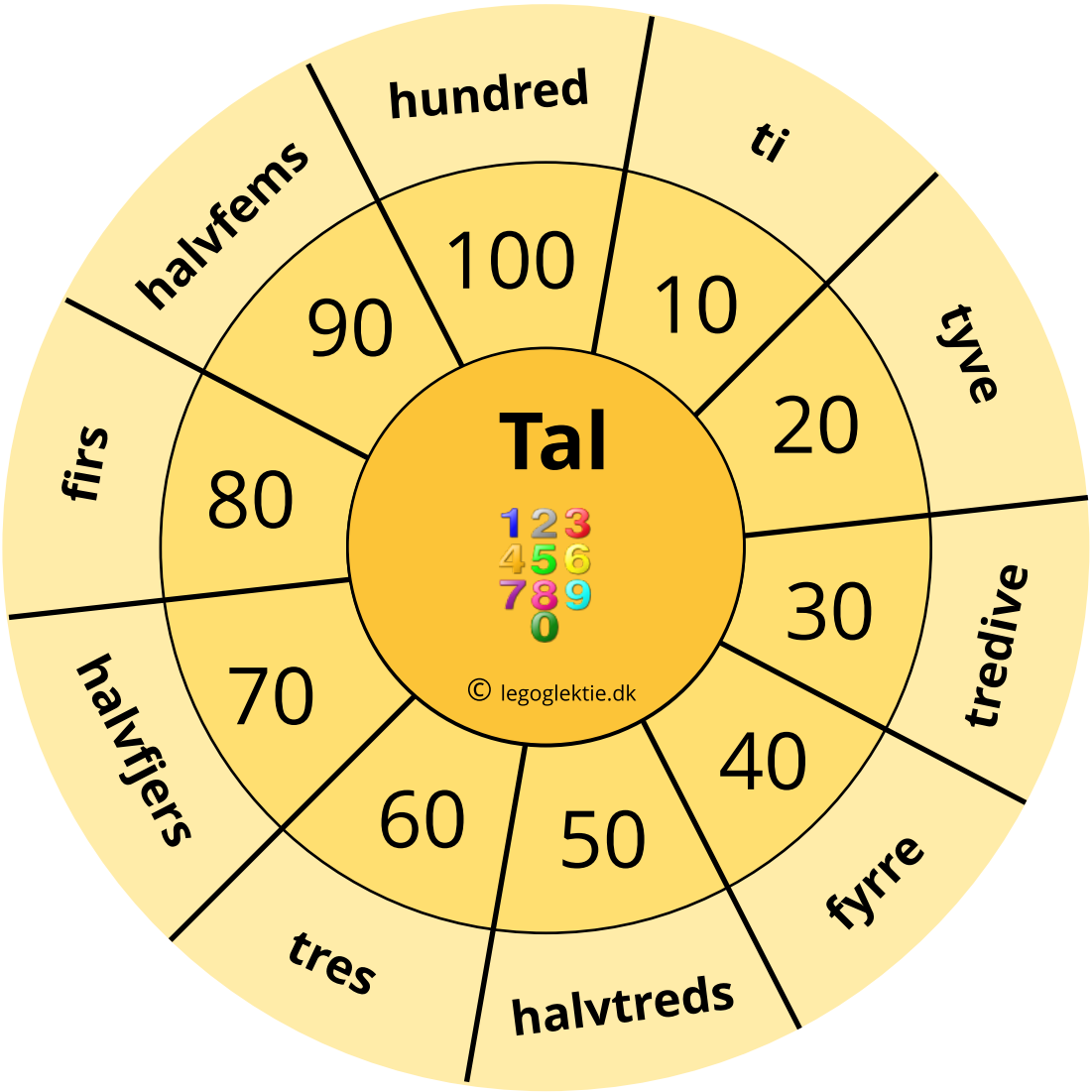
Tal
1 2 3
4 5 6
7 8 9
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© legoglektie.dk
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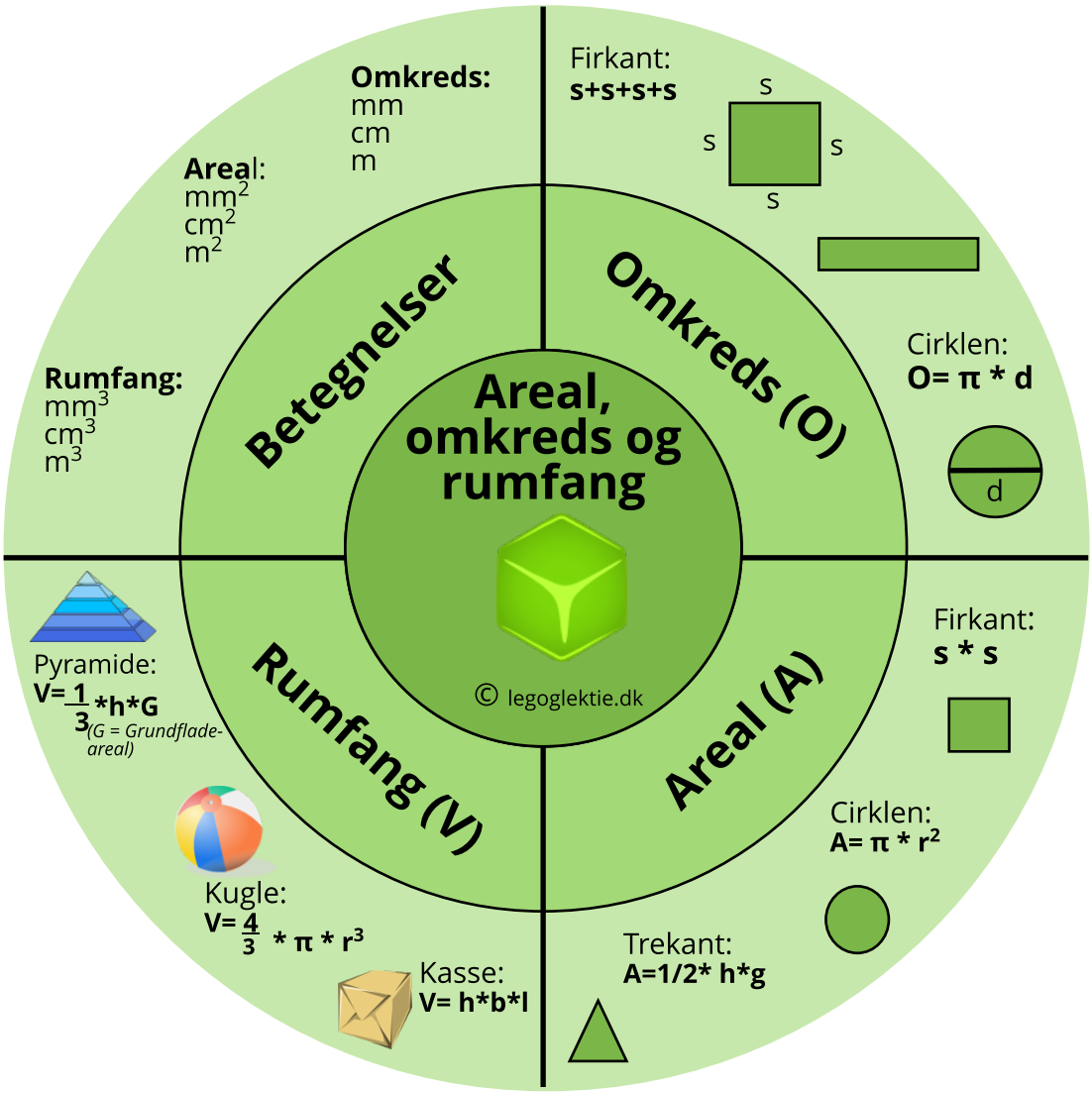
halvfems



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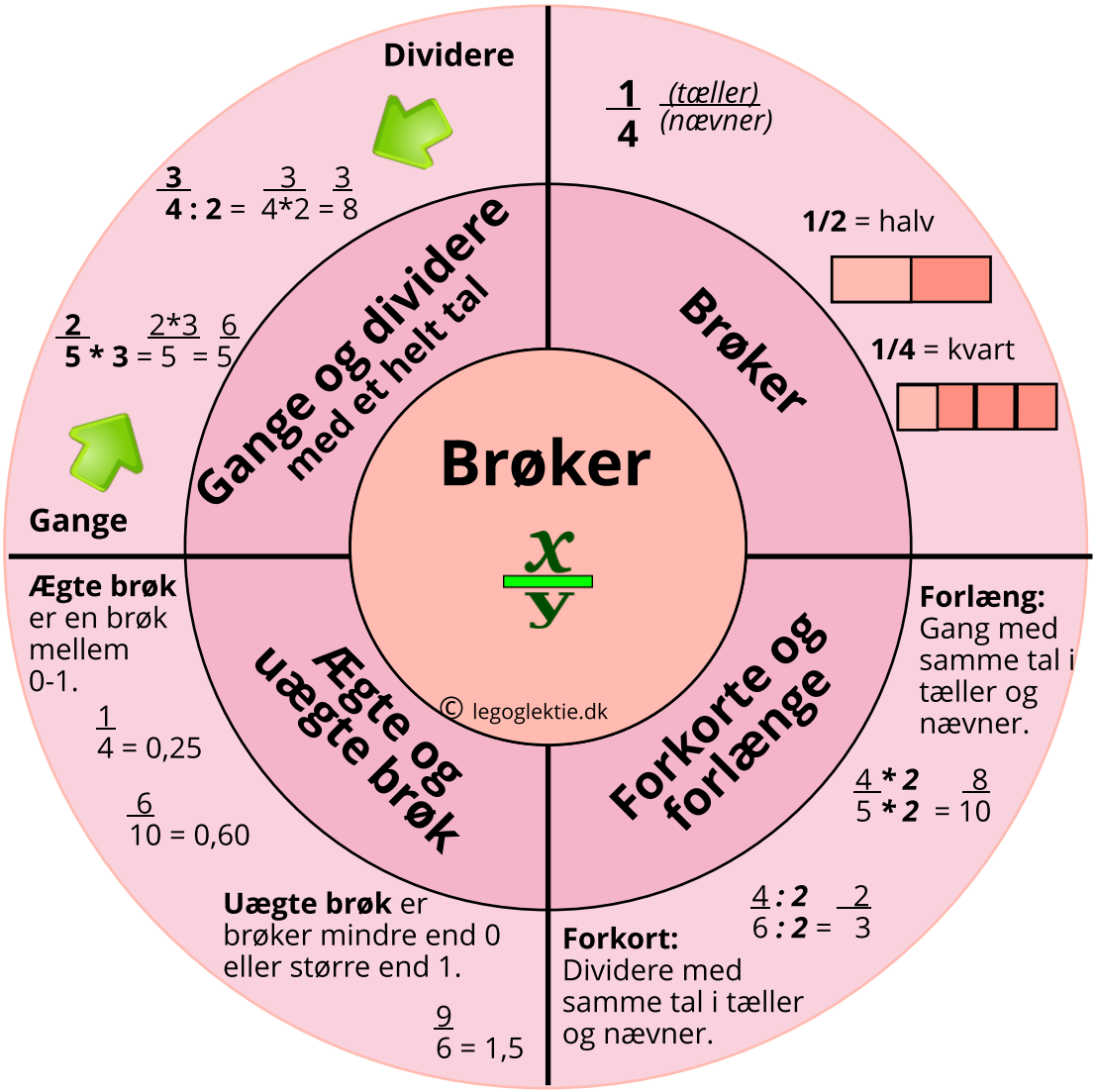
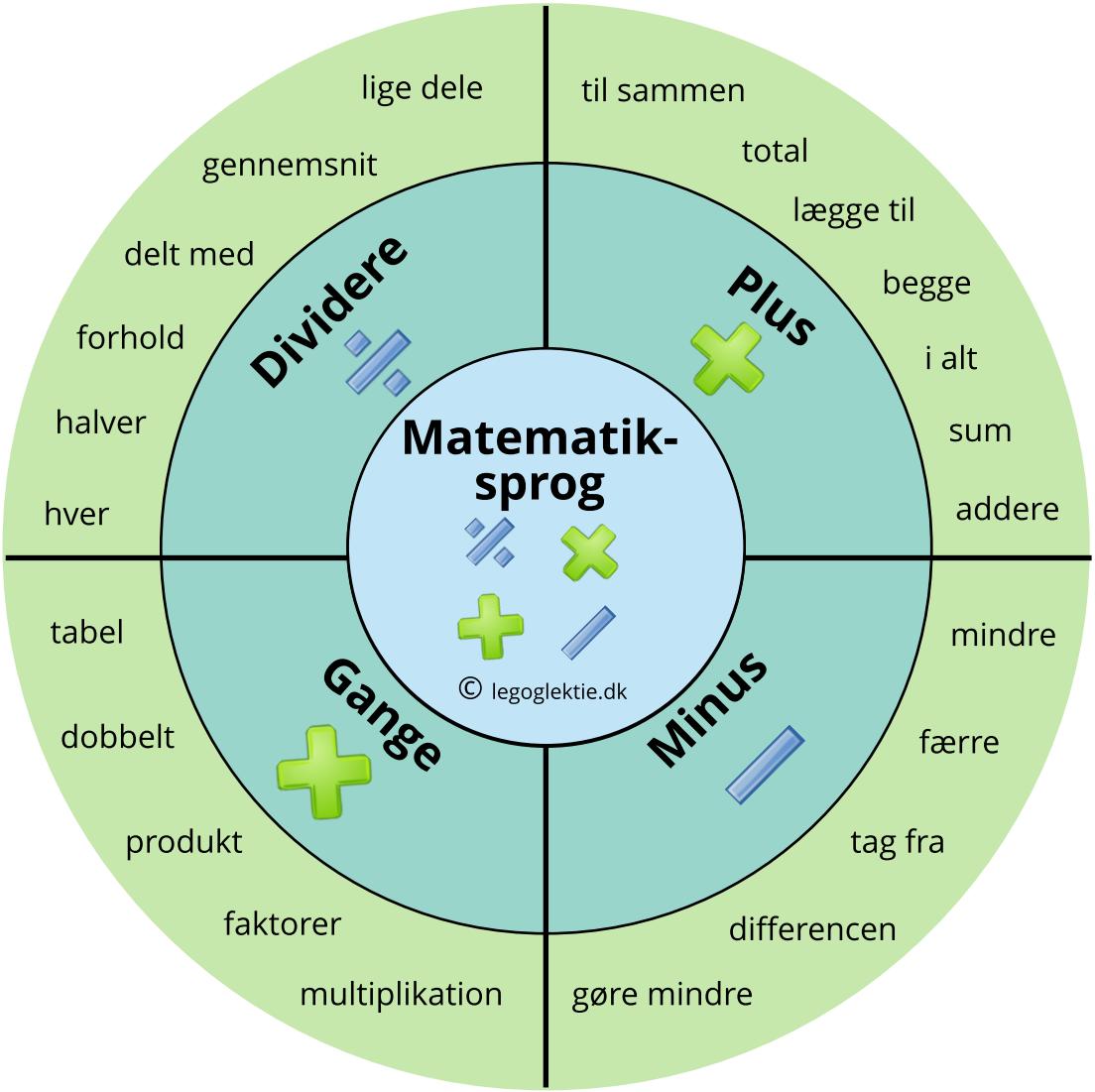

Brøker
x/y
© legoglektie.dk
Gange og dividere med et helt tal
Dividere
3/4 : 2 = 3/(4*2) = 3/8
2/5 * 3 = (2*3)/5 = 6/5
Gange
Brøker
1/4 (tæller) (nævner)
1/2 = halv
1/4 = kvart
Ægte og uægte brøk
Ægte brøk er en brøk mellem 0-1.
1/4 = 0,25
6/10 = 0,60
Uægte brøk er brøker mindre end 0 eller større end 1.
9/6 = 1,5
Forkorte og forlænge
Forlæng: Gang med samme tal i tæller og nævner.
(4 * 2)/(5 * 2) = 8/10
(4 : 2)/(6 : 2) = 2/3
Forkort: Dividere med samme tal i tæller og nævner.


Matematik-
sprog
© legoglektie.dk
Dividere
lige dele
gennemsnit
delt med
forhold
halver
hver
Plus
til sammen
total
lægge til
begge
i alt
sum
addere
Gange
tabel
dobbelt
produkt
faktorer
multiplikation
Minus
mindre
færre
tag fra
differencen
gøre mindre

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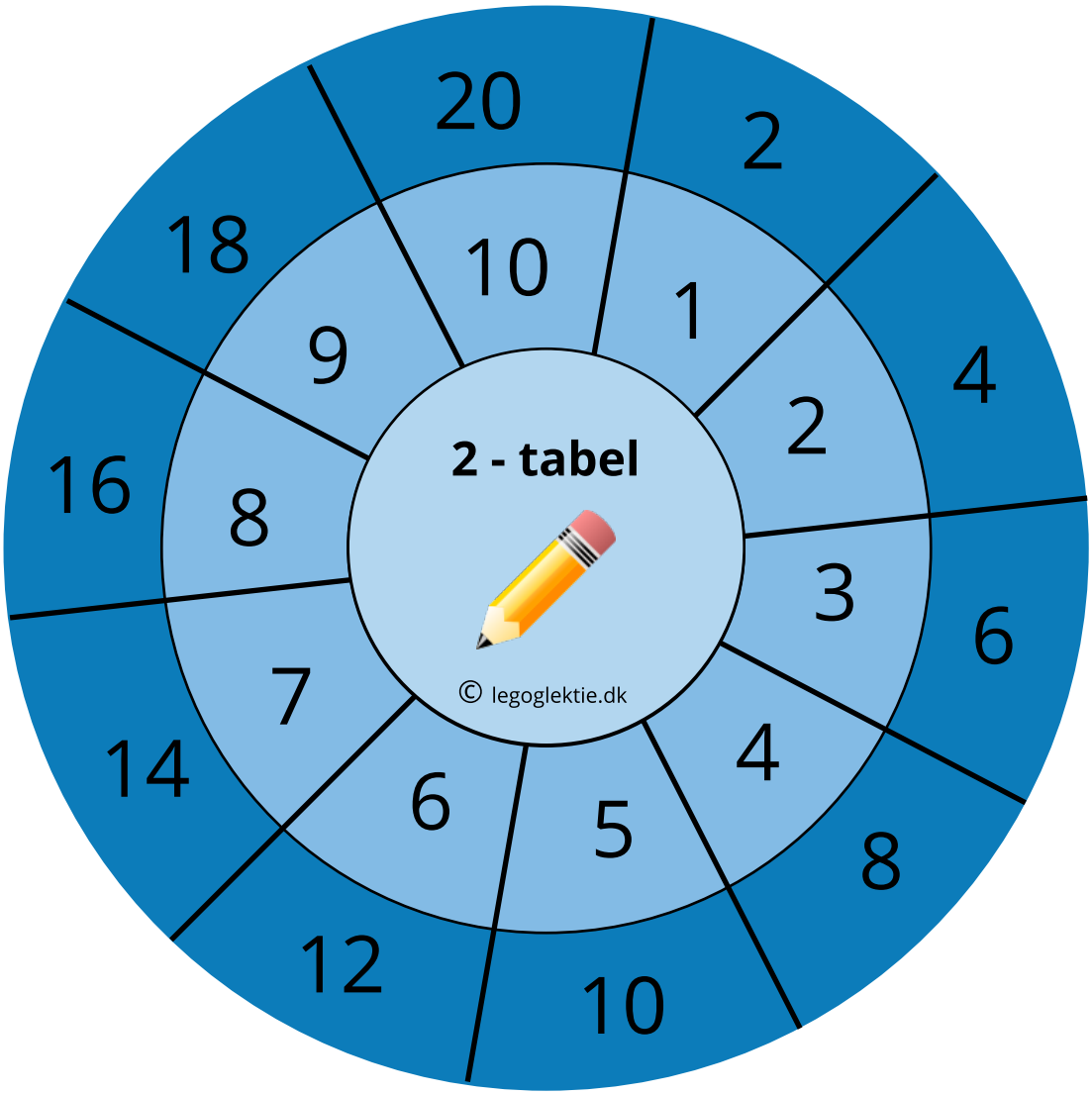
2 - tabel
© legoglektie.dk
1
2
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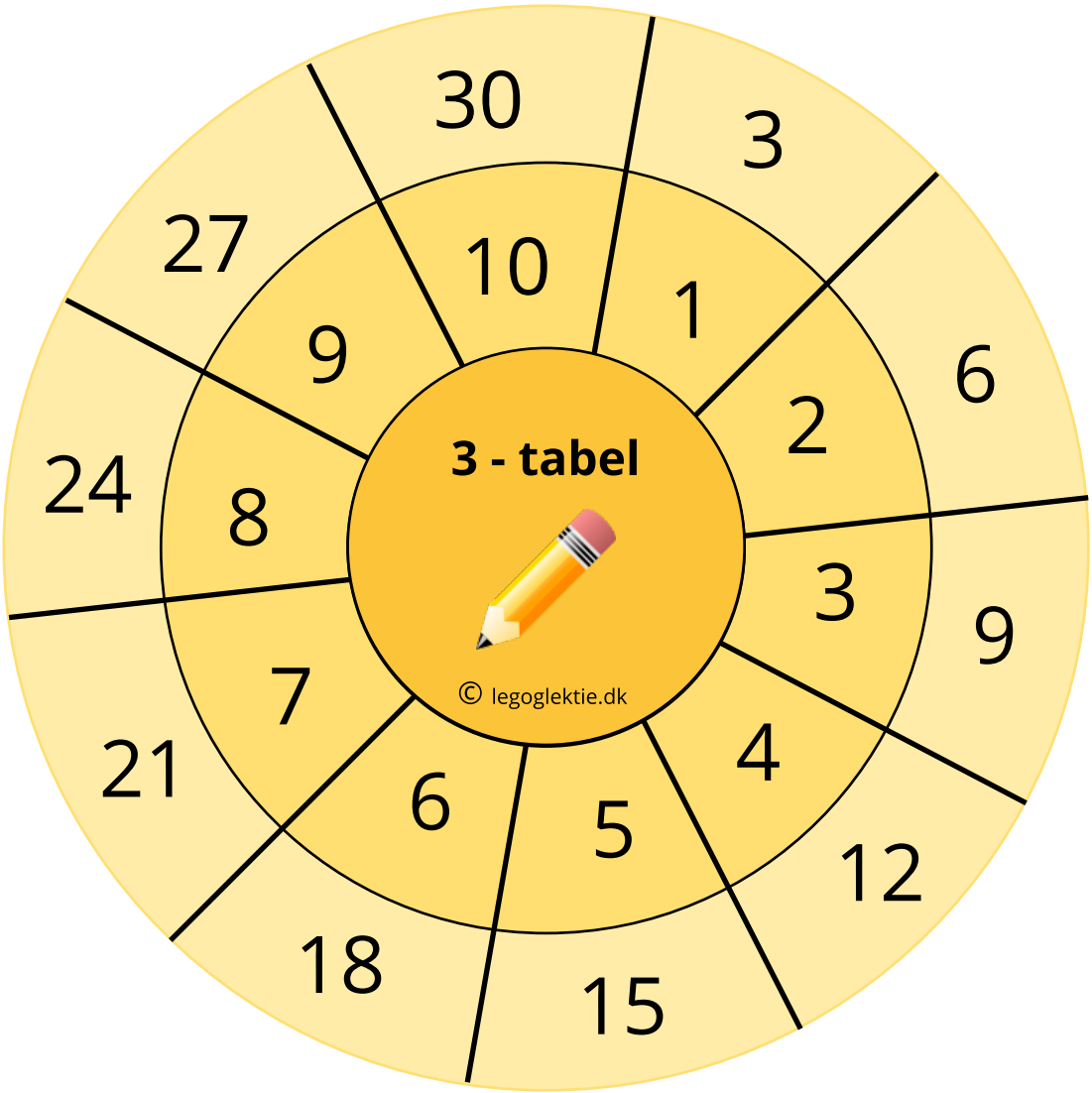
9
10
2
4
6
8
10
12
14
16
18
20


3 - tabel
© legoglektie.dk
1
2
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9
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3
6
9
12
15
18
21
24
27
30

4 - tabel
© legoglektie.dk
1
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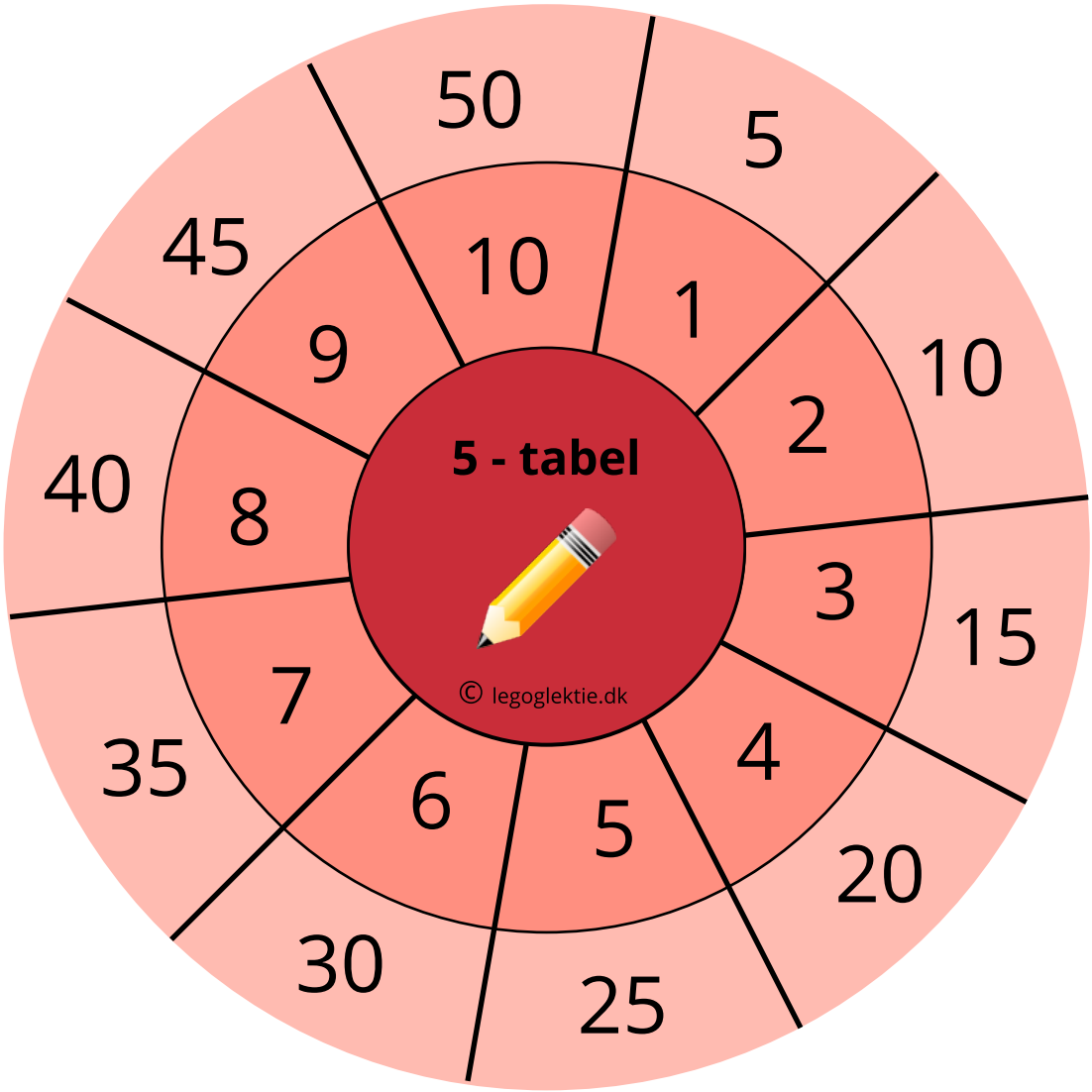
16
20
24
28
32
36
40


5 - tabel
© legoglektie.dk
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45
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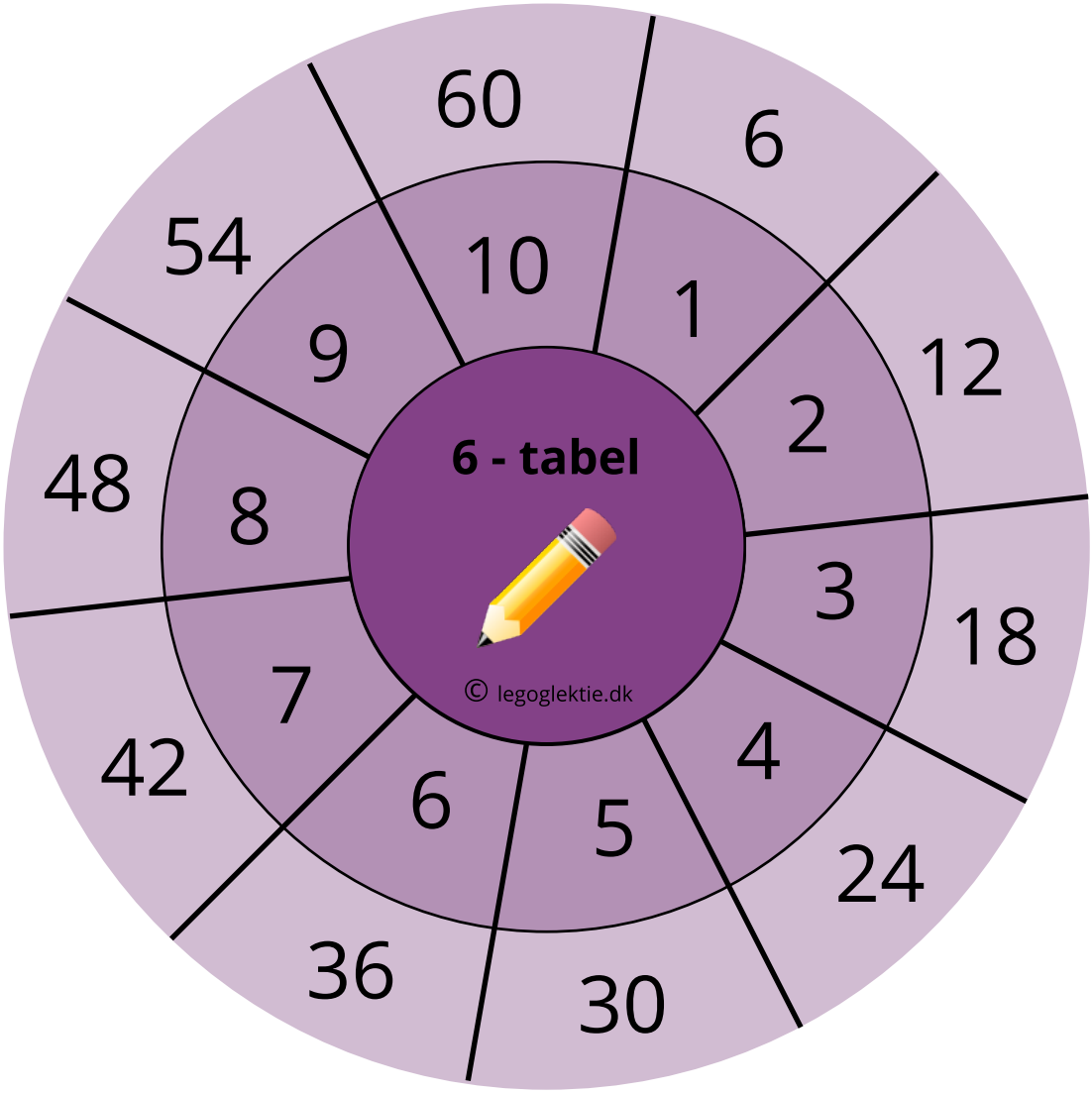
6 - tabel
© legoglektie.dk
1
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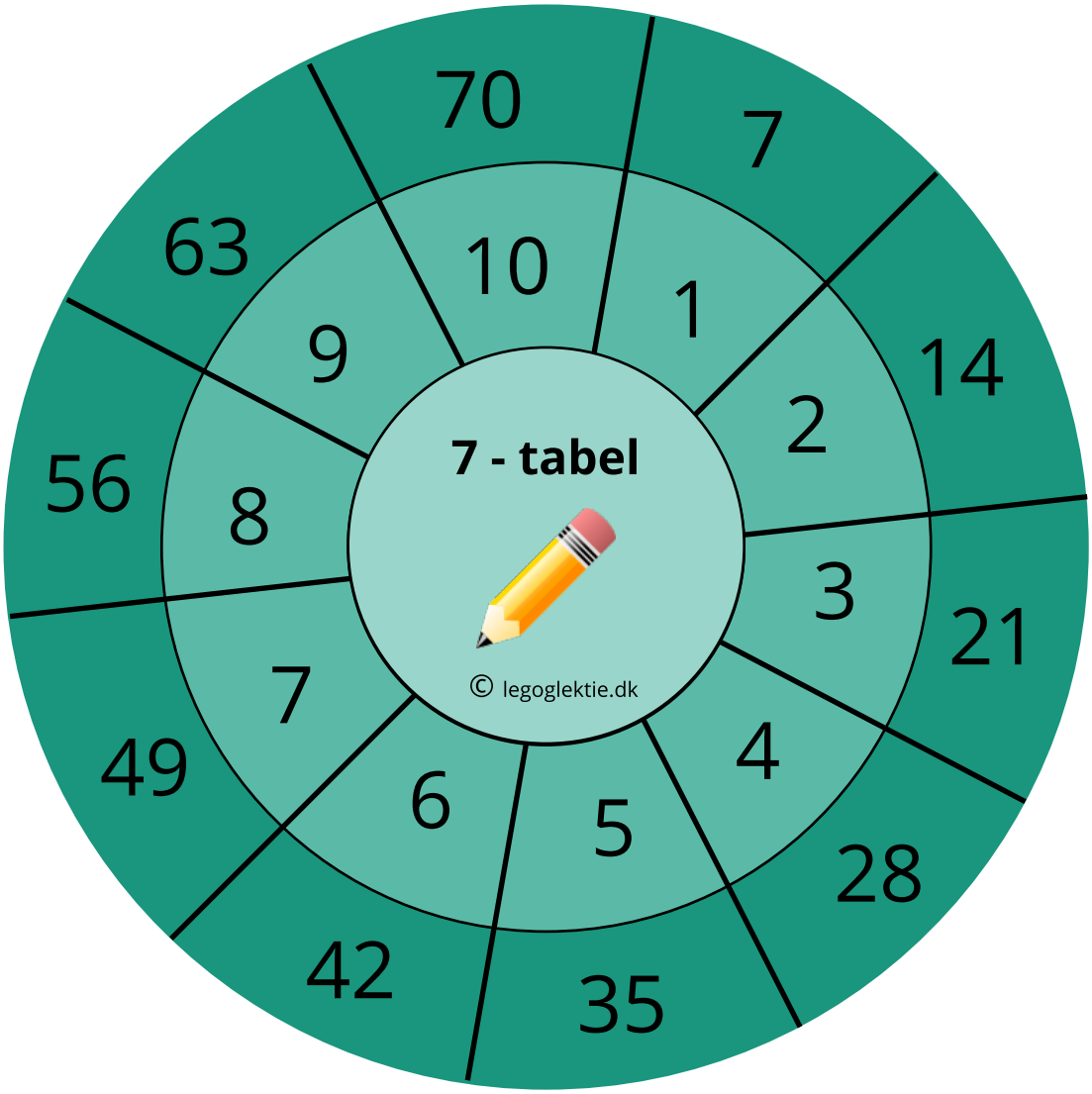
30
36
42
48
54
60


7 - tabel
© legoglektie.dk
1
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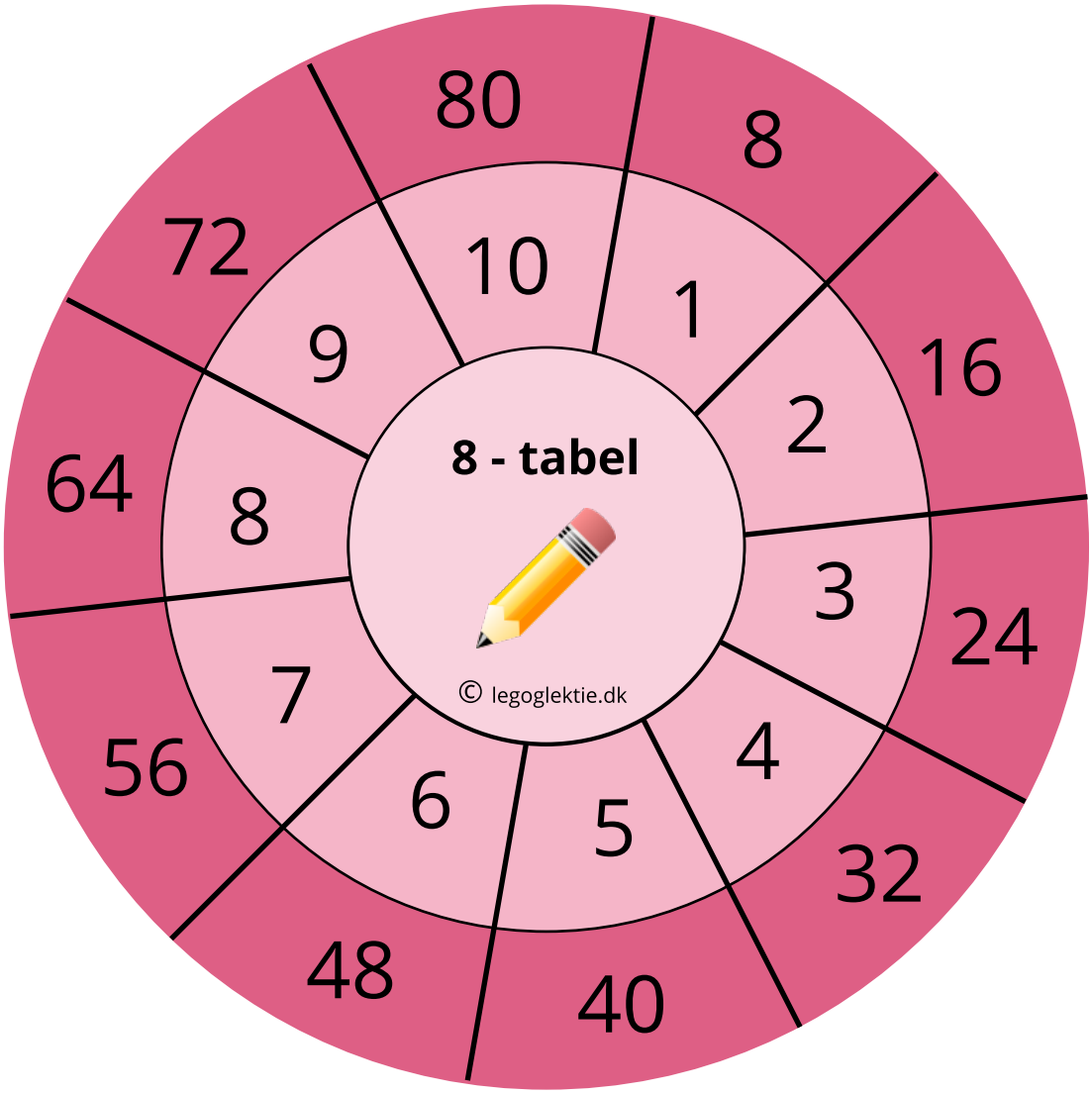
7
14
21
28
35
42
49
56
63
70


8 - tabel
© legoglektie.dk
1
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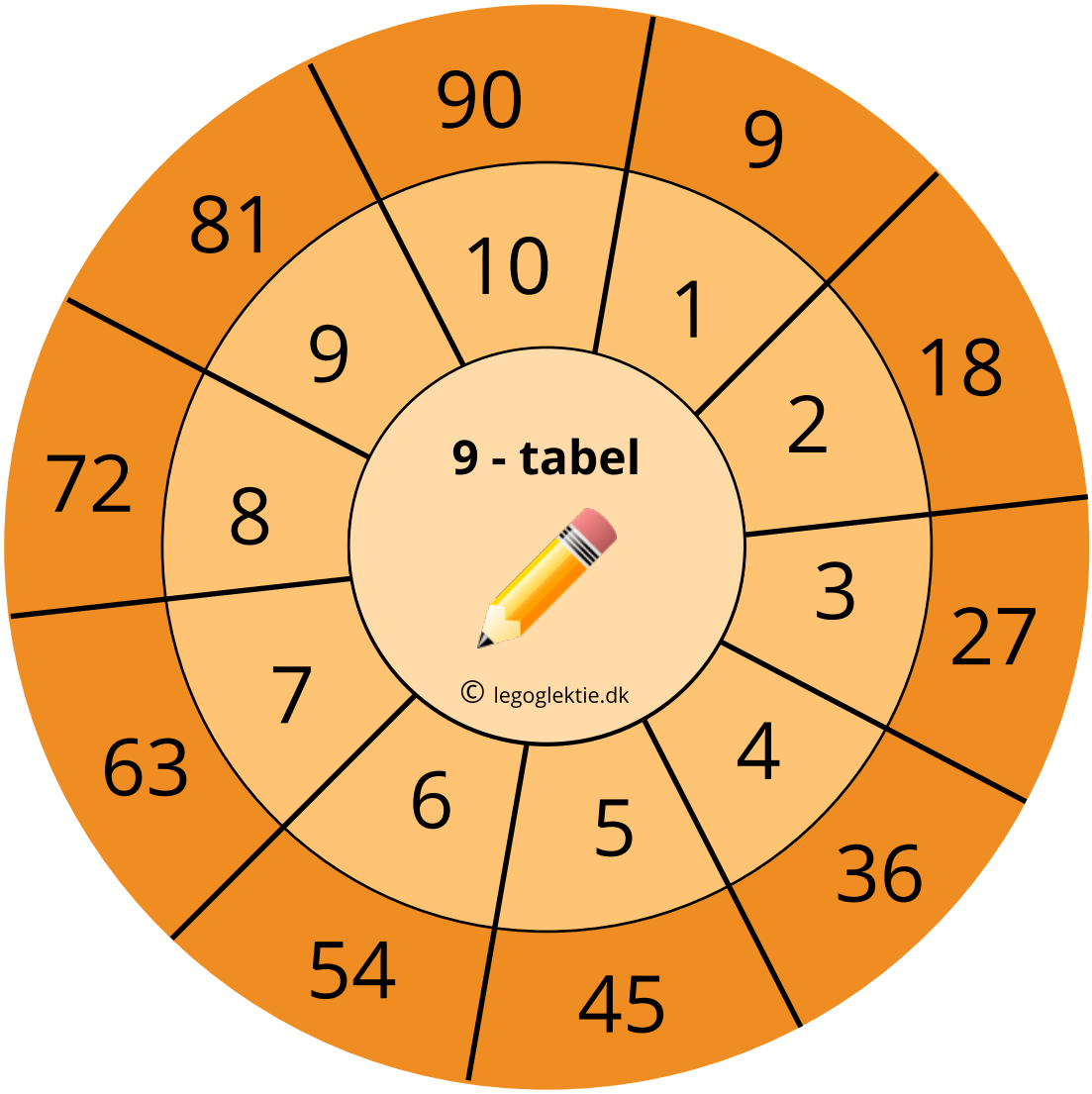
40
48
56
64
72
80


9 - tabel
© legoglektie.dk
1
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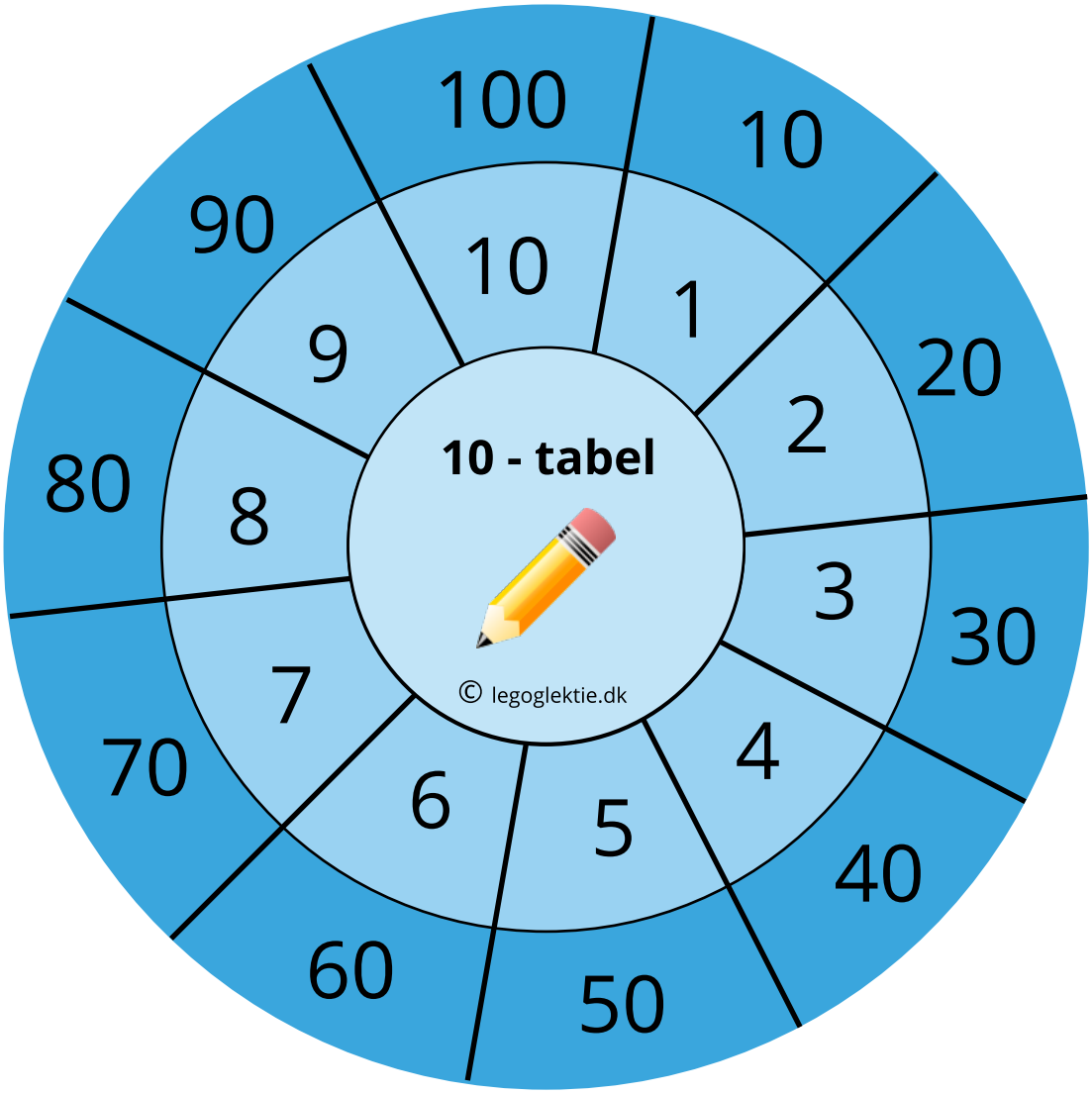
36
45
54
63
72
81
90



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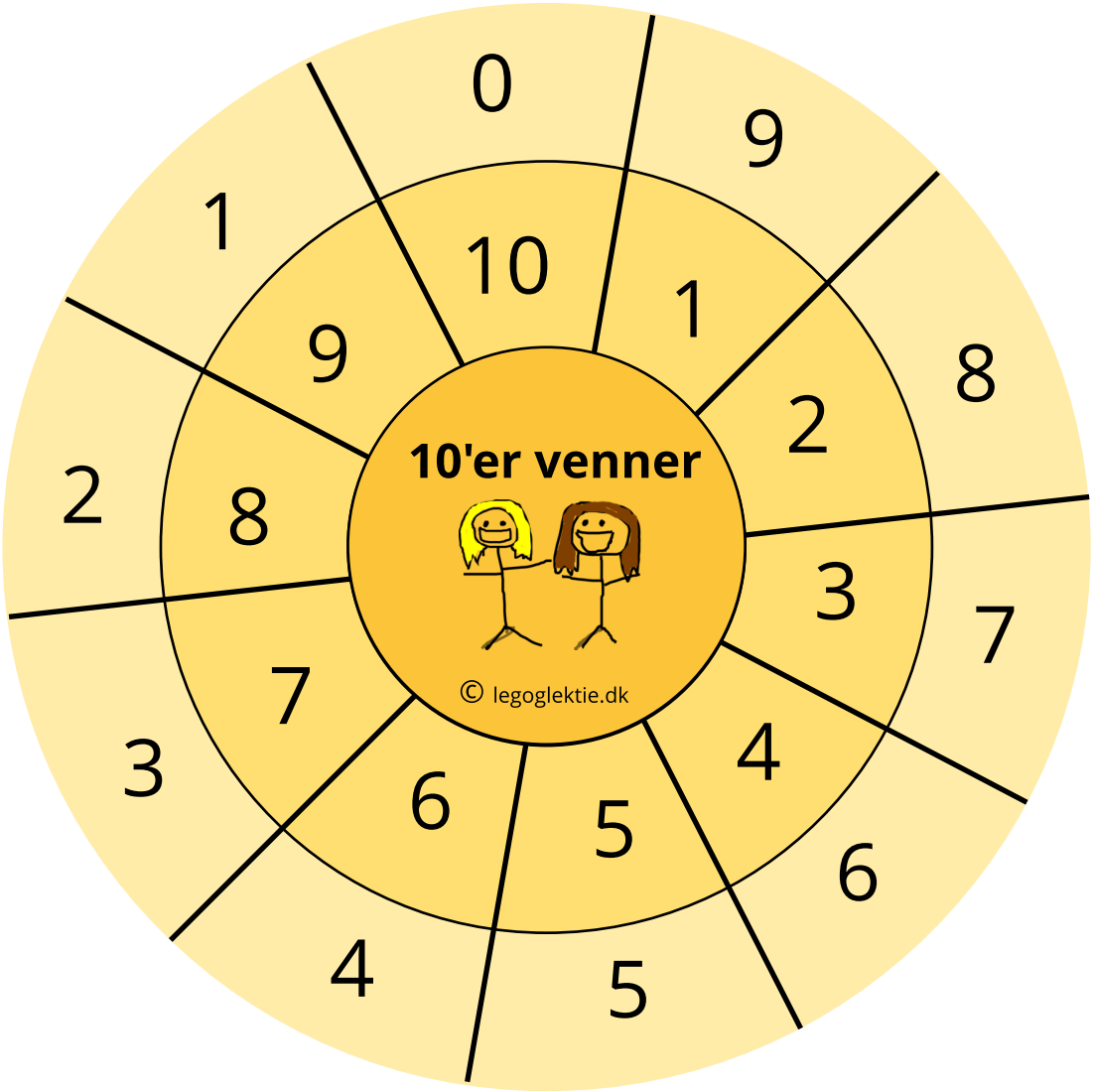
10'er venner
© legoglektie.dk
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9
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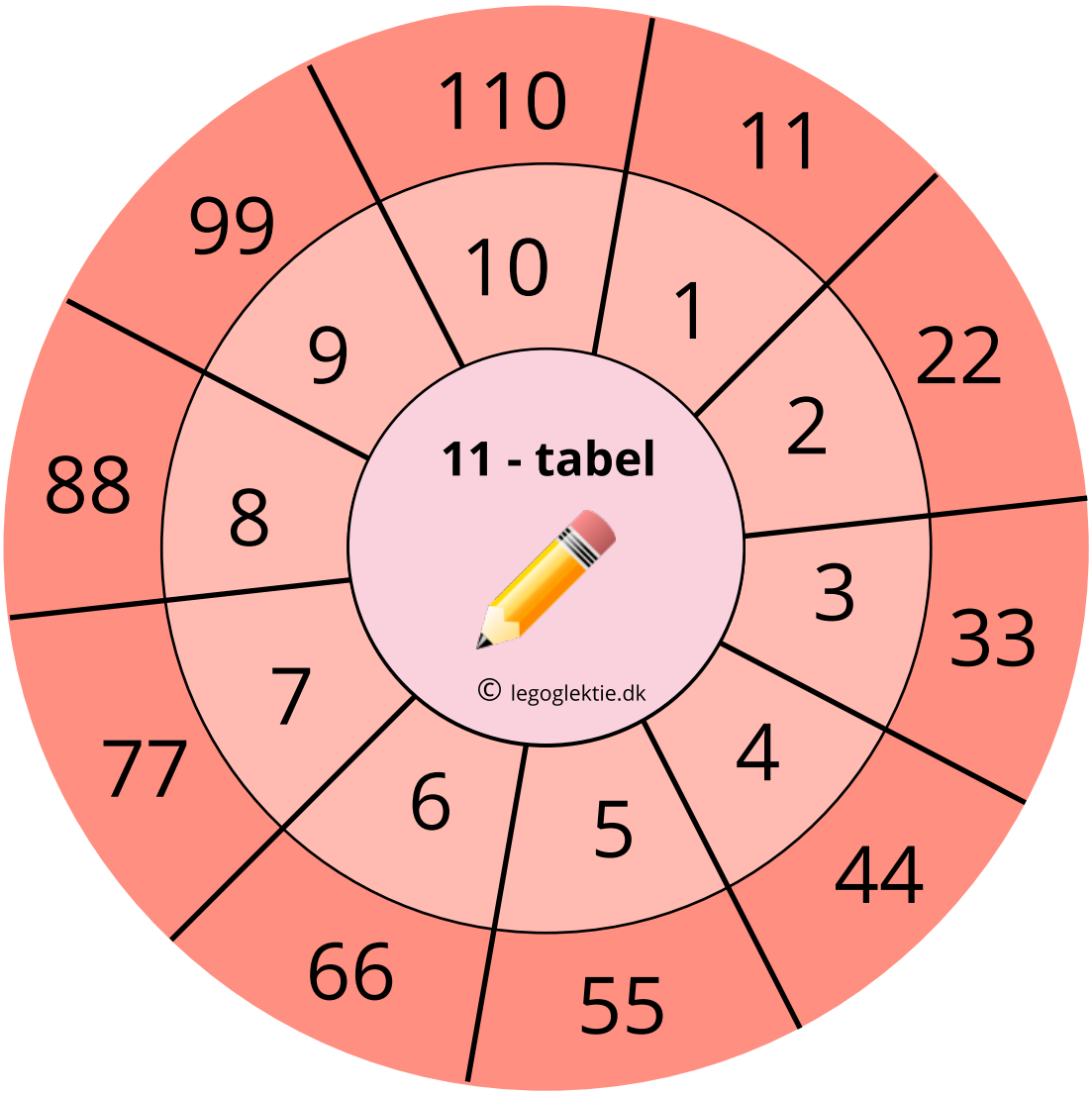
4
5


11 - tabel
© legoglektie.dk
1
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11
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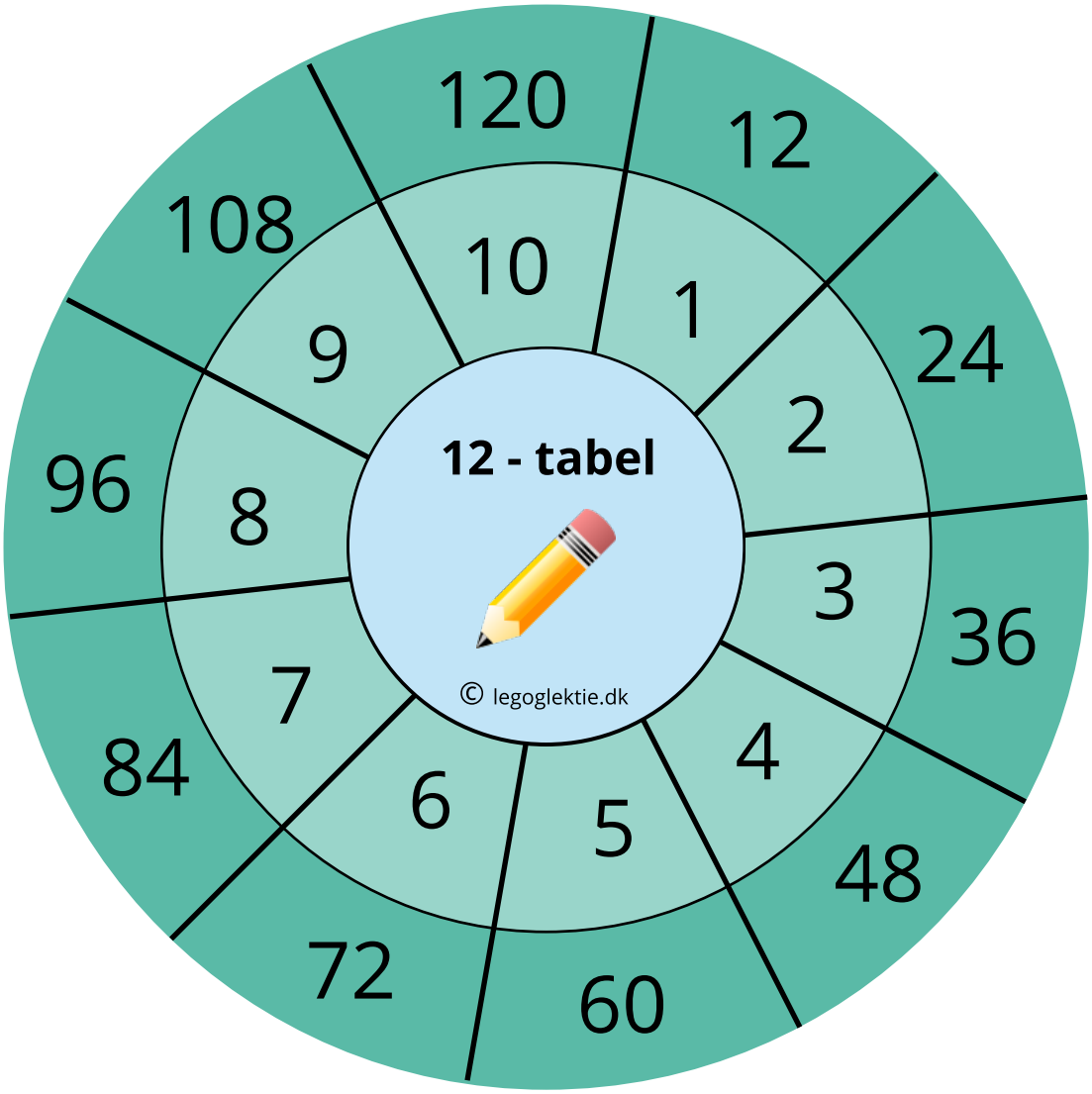
33
44
55
66
77
88
99
110


12 - tabel
© legoglektie.dk
1
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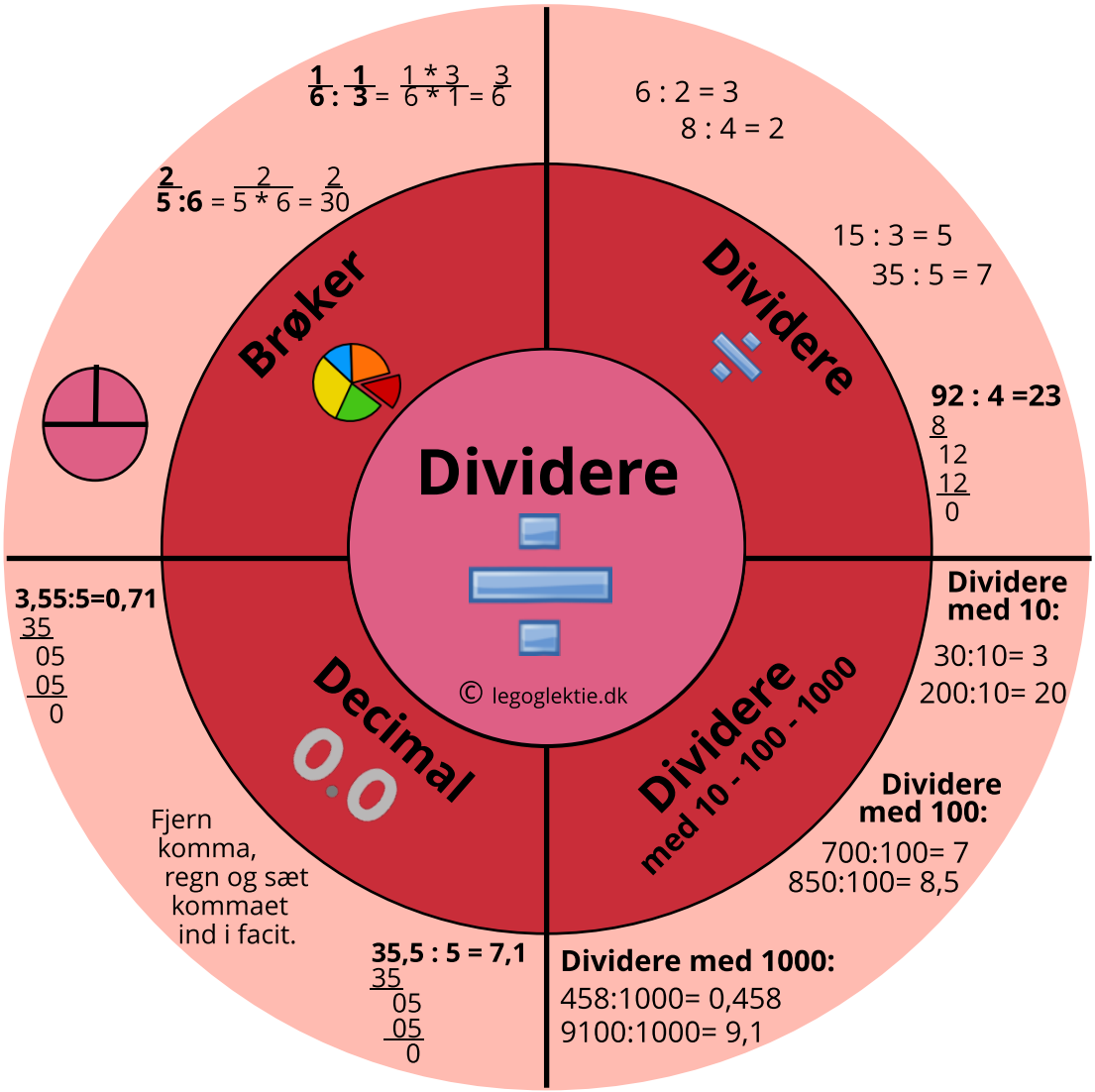
36
48
60
72
84
96
108
120



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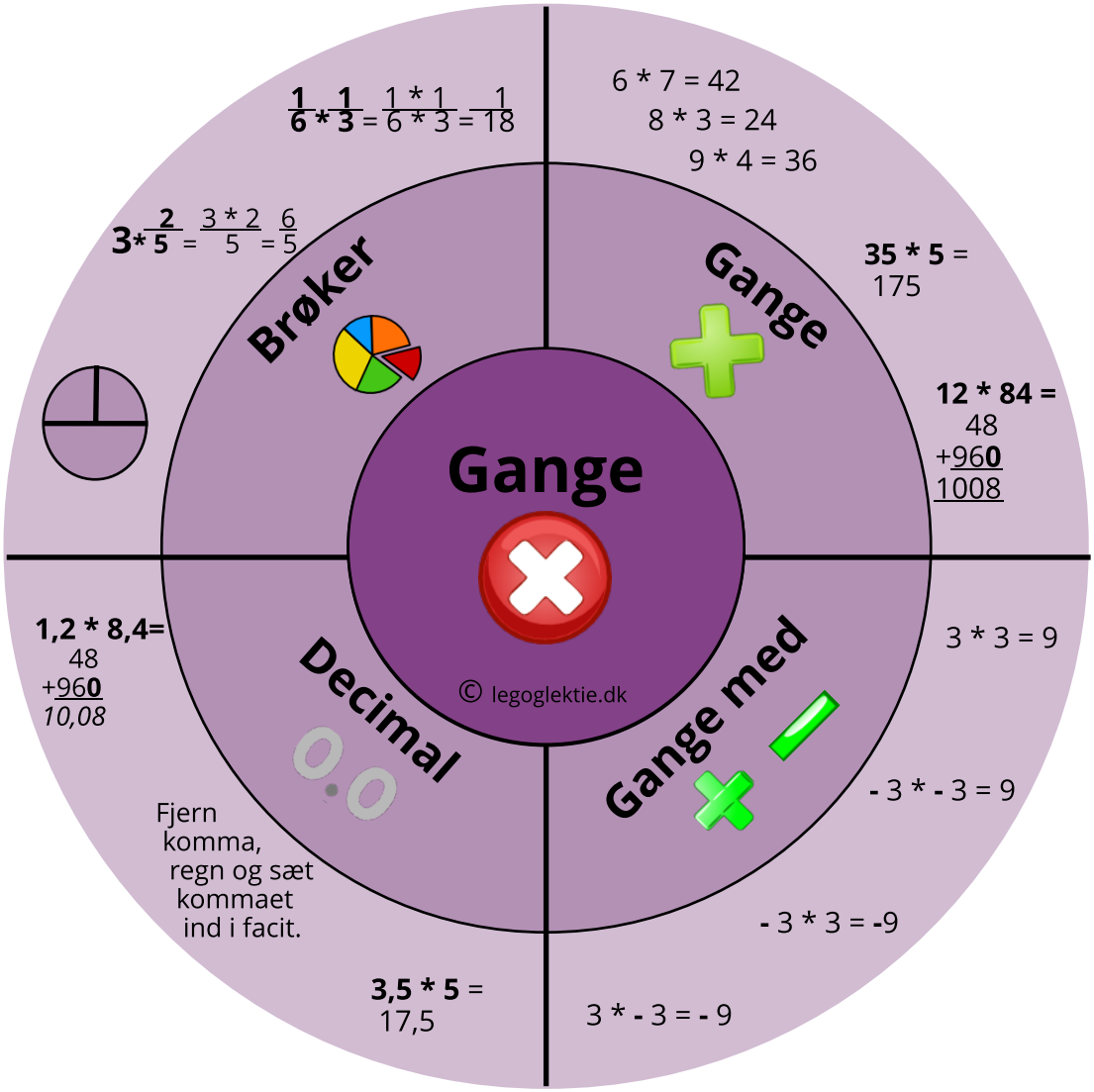
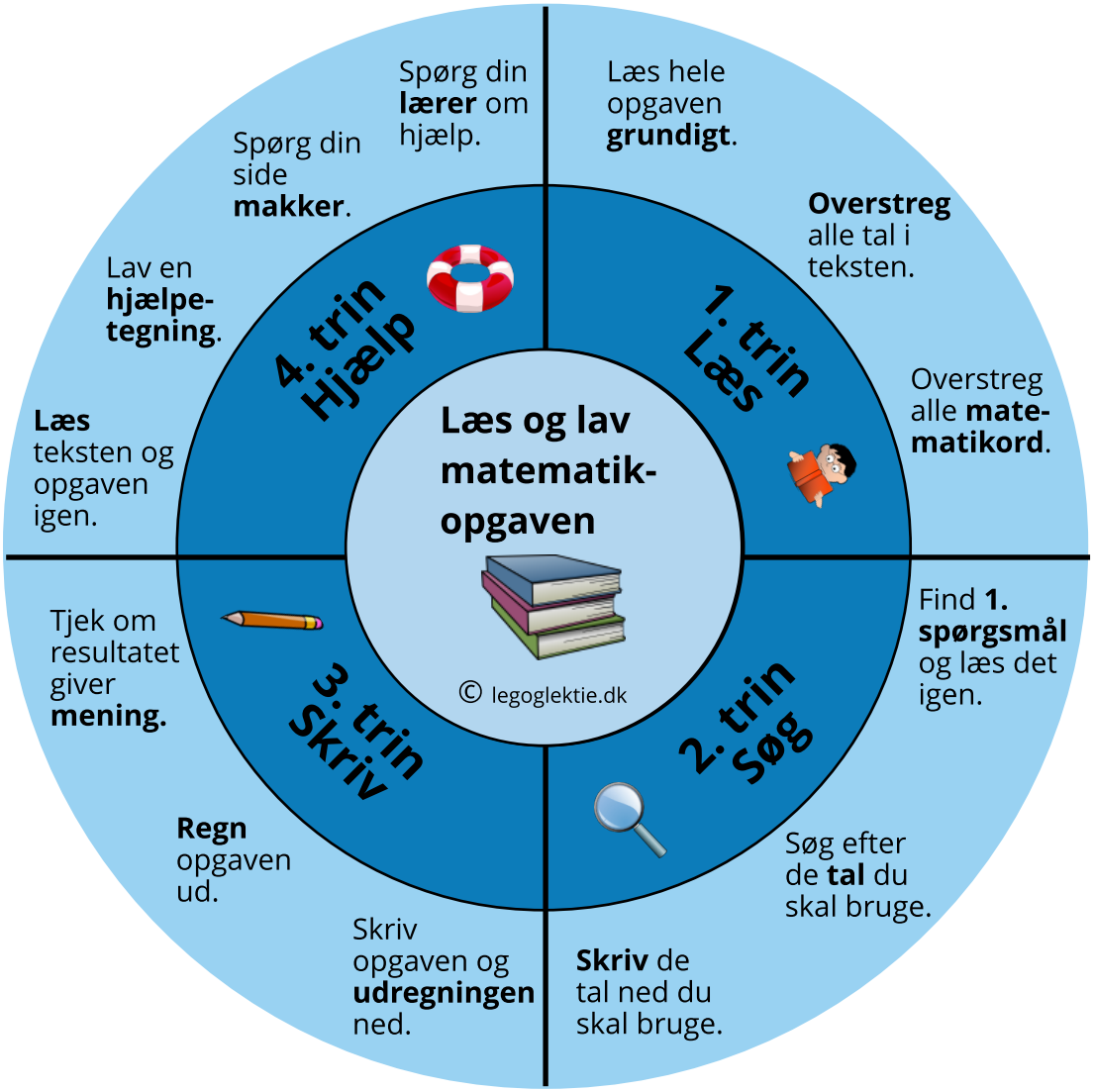

Gange
© legoglektie.dk
Brøker
$\frac{1}{6} * \frac{1}{3} = \frac{1 * 1}{6 * 3} = \frac{1}{18}$
$3 * \frac{2}{5} = \frac{3 * 2}{5} = \frac{6}{5}$
Gange
6 * 7 = 42
8 * 3 = 24
9 * 4 = 36
35 * 5 =
175
12 * 84 =
48
+960
1008
Gange med
3 * 3 = 9
- 3 * - 3 = 9
- 3 * 3 = -9
3 * - 3 = - 9
Decimal
1,2 * 8,4=
48
+960
10,08
Fjern komma, regn og sæt kommaet ind i facit.
3,5 * 5 =
17,5



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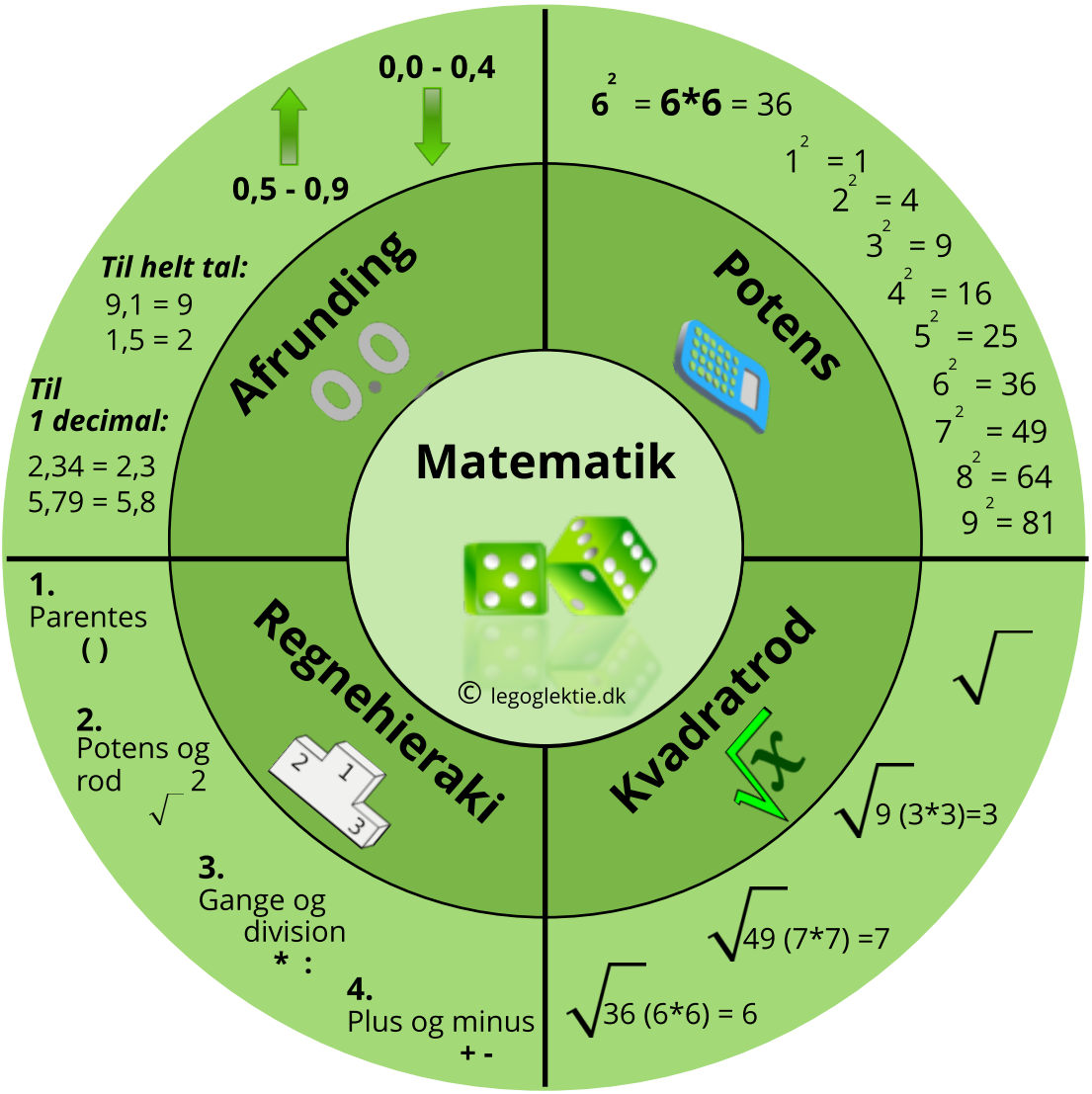

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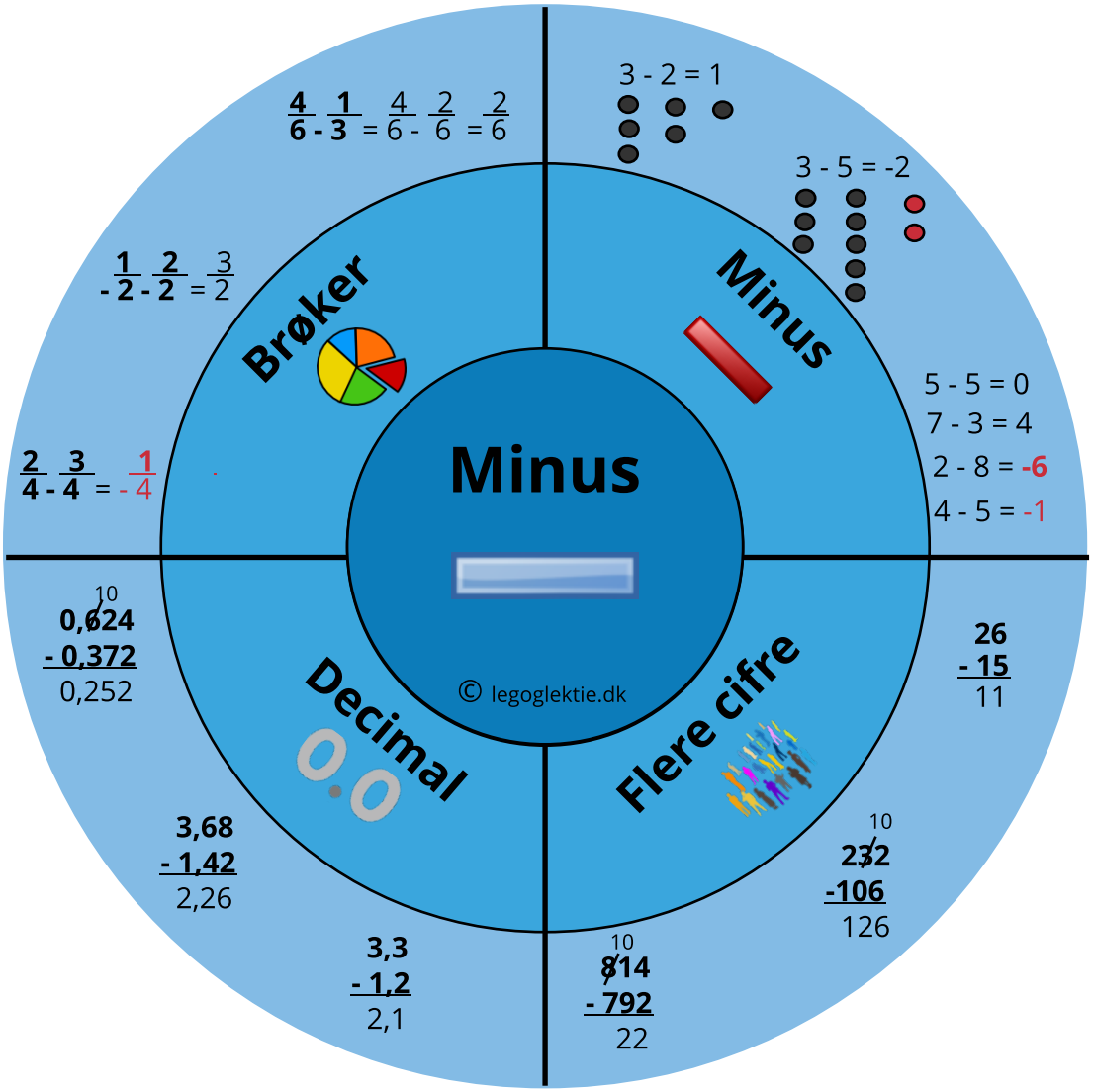
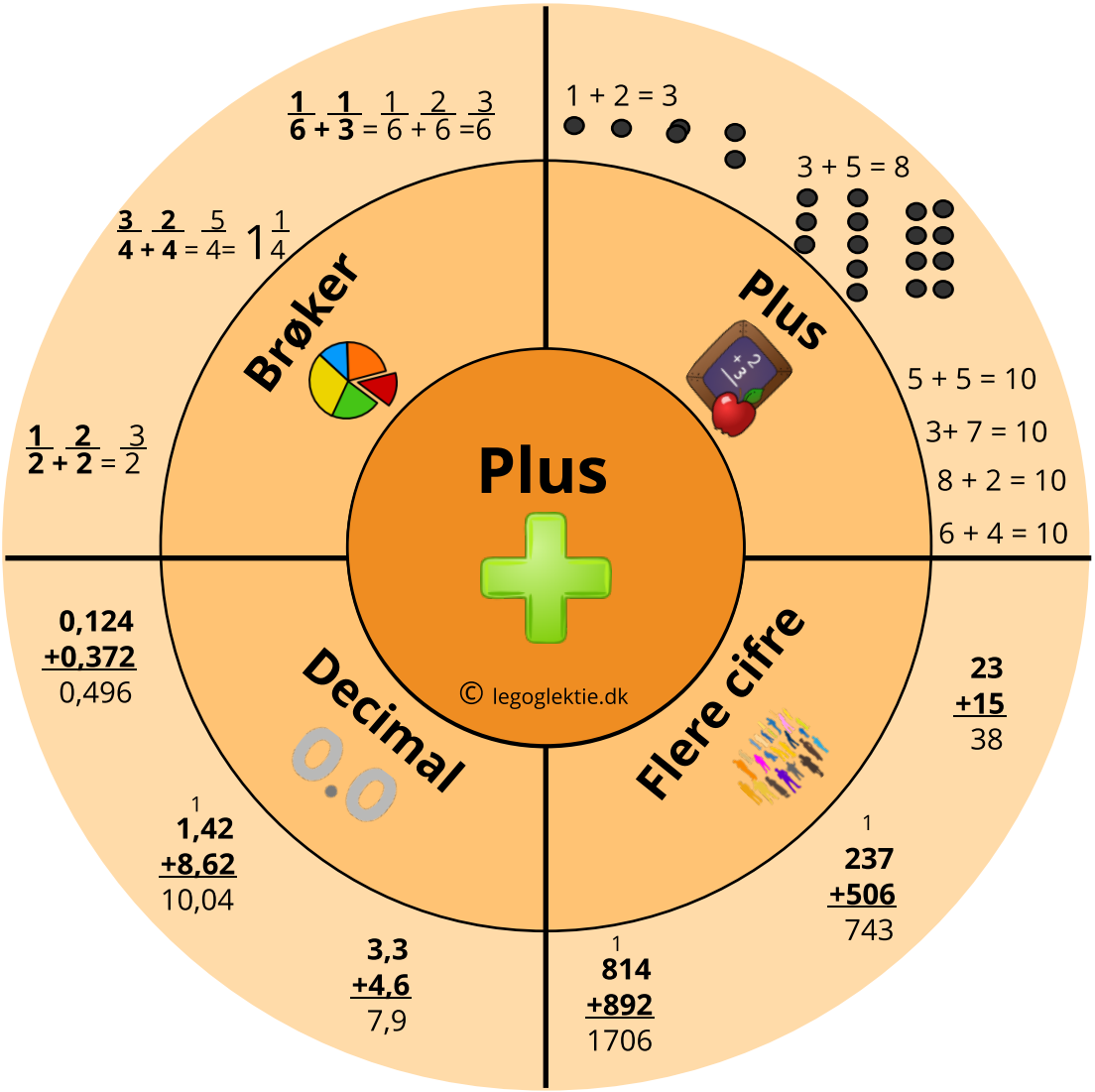
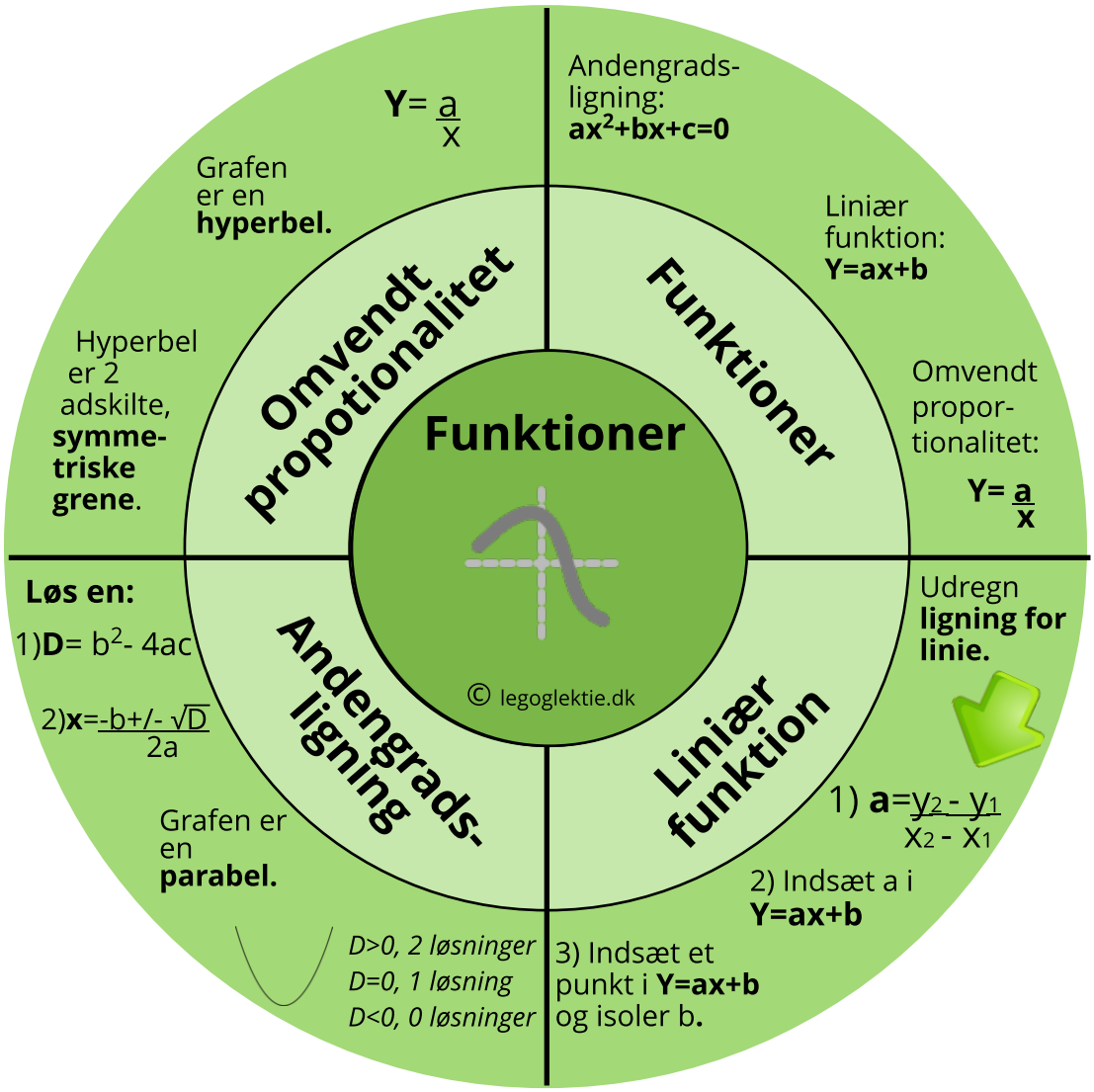

Minus
© legoglektie.dk
Brøker
4/6 - 1/3 = 4/6 - 2/6 = 2/6
1/2 - 2/2 = 3/2
2/4 - 3/4 = - 1/4
Minus
3 - 2 = 1
3 - 5 = -2
5 - 5 = 0
7 - 3 = 4
2 - 8 = -6
4 - 5 = -1
Flere cifre
26
- 15
11
232
-106
126
814
- 792
22
Decimal
0,624
- 0,372
0,252
3,68
- 1,42
2,26
3,3
- 1,2
2,1


Plus
© legoglektie.dk
Brøker
1/6 + 1/3 = 1/6 + 2/6 = 3/6
3/4 + 2/4 = 5/4 = 1 1/4
1/2 + 2/2 = 3/2
Plus
1 + 2 = 3
3 + 5 = 8
5 + 5 = 10
3+ 7 = 10
8 + 2 = 10
6 + 4 = 10
Decimal
0,124
+0,372
0,496
1
1,42
+8,62
10,04
3,3
+4,6
7,9
Flere cifre
23
+15
38
1
237
+506
743
1
814
+892
1706



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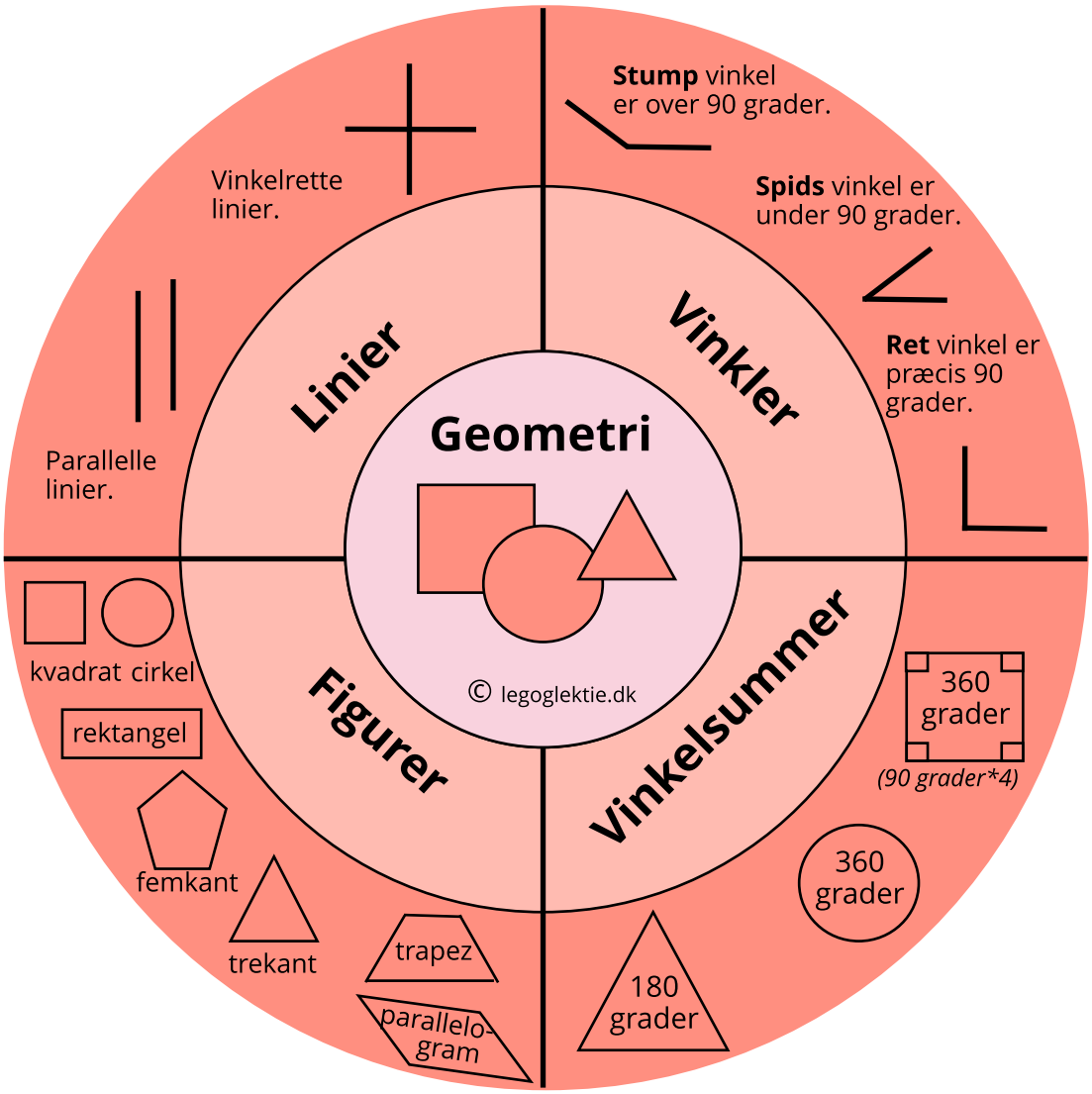
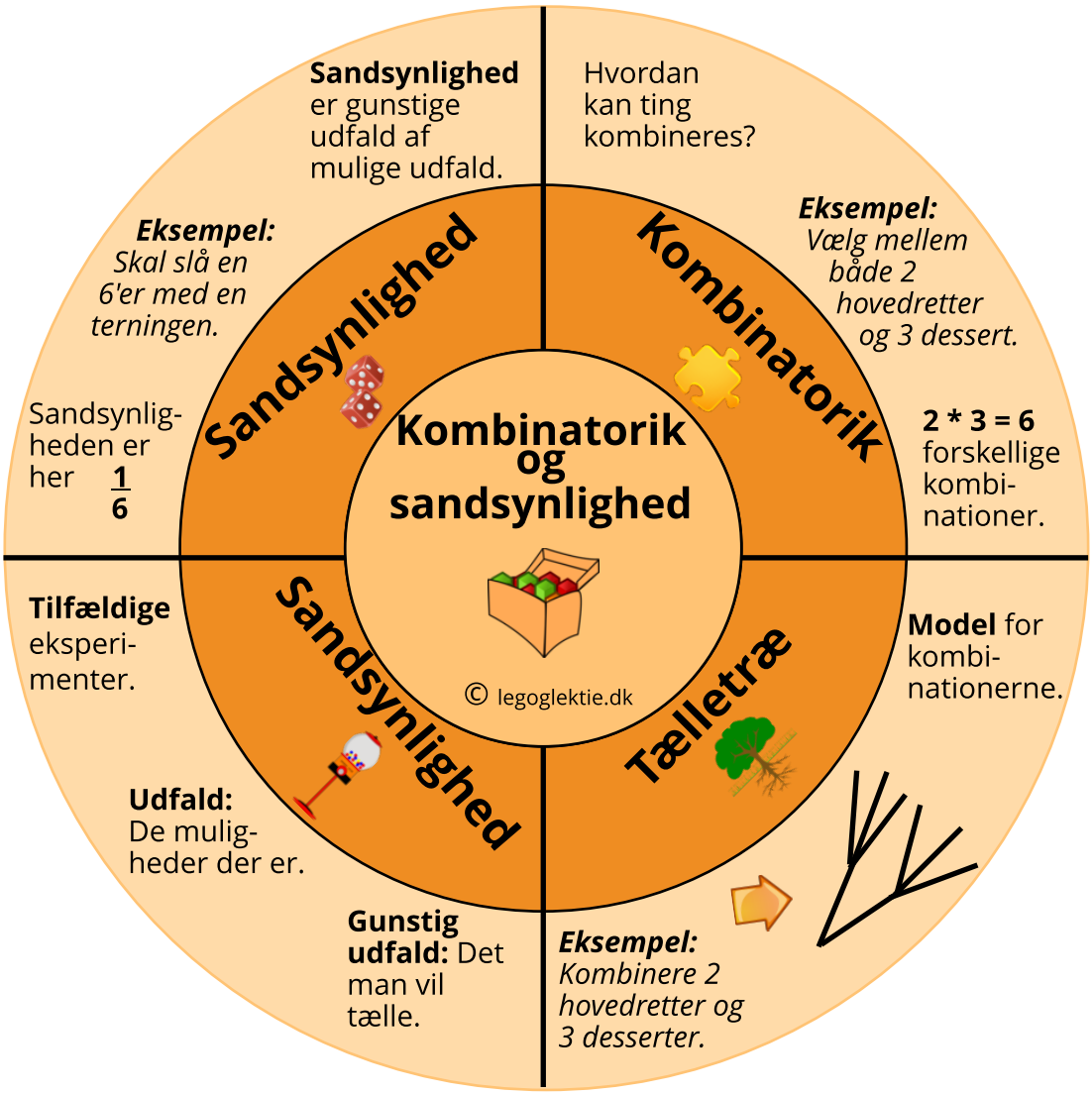
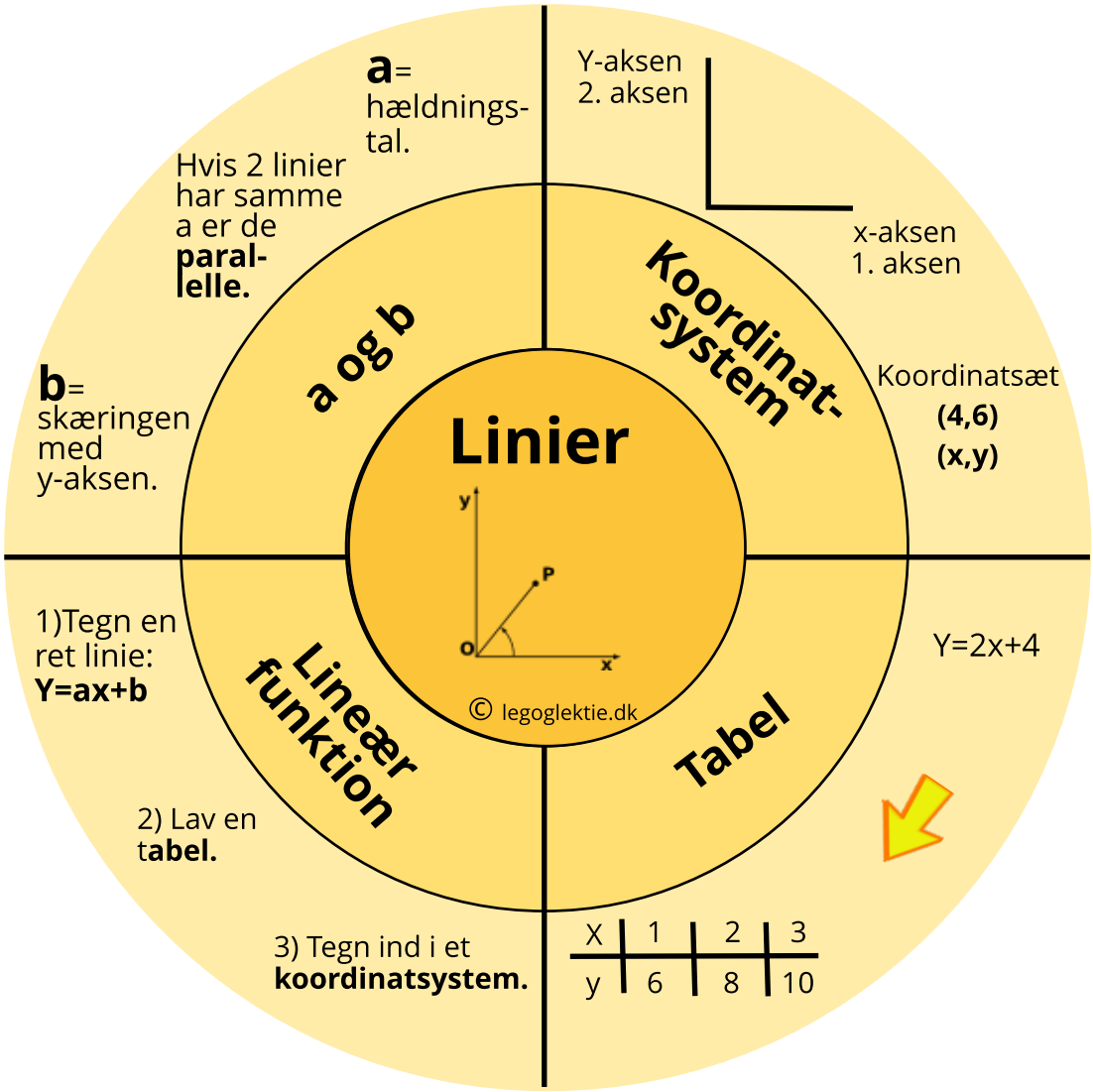
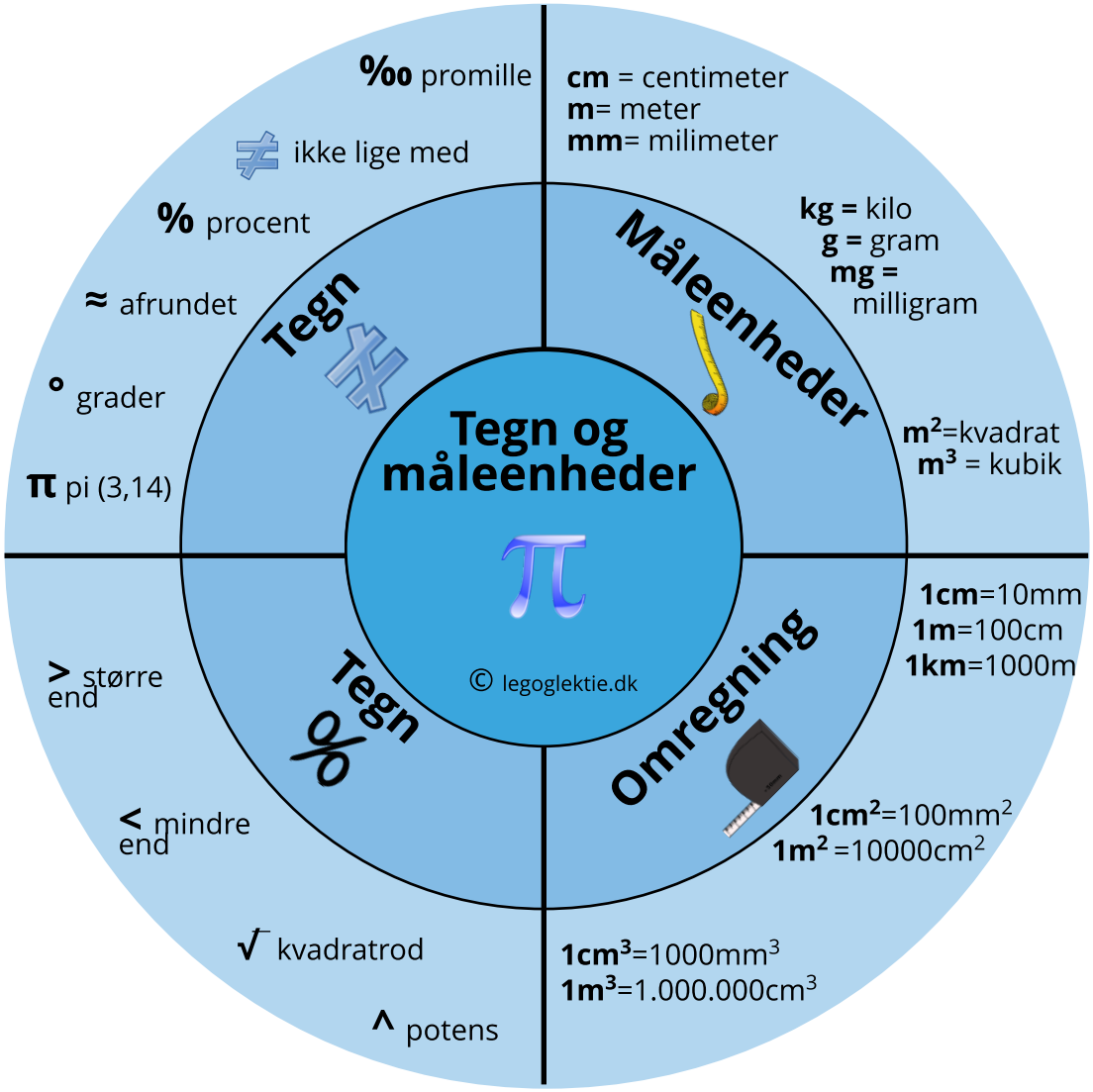

Geometri
© legoglektie.dk
Linier
Vinkler
Figurer
Vinkelsummer
Vinkelrette linier.
Parallelle linier.
Stump vinkel er over 90 grader.
Spids vinkel er under 90 grader.
Ret vinkel er præcis 90 grader.
kvadrat
cirkel
rektangel
femkant
trekant
trapez
parallelo-gram
180 grader
360 grader
(90 grader*4)
360 grader


Kombinatorik og sandsynlighed
© legoglektie.dk
Sandsynlighed
Sandsynlighed er gunstige udfald af mulige udfald.
Eksempel: Skal slå en 6'er med en terningen.
Sandsynlig-heden er her 1/6
Kombinatorik
Hvordan kan ting kombineres?
Eksempel: Vælg mellem både 2 hovedretter og 3 dessert.
2 * 3 = 6 forskellige kombi-nationer.
Sandsynlighed
Tilfældige eksperi-menter.
Udfald: De mulig-heder der er.
Gunstig udfald: Det man vil tælle.
Tælletræ
Model for kombi-nationerne.
Eksempel: Kombinere 2 hovedretter og 3 desserter.


a= hældnings-tal.
Hvis 2 linier har samme a er de **paral-lelle.**
b= skæringen med y-aksen.
a og b
Y-aksen
2. aksen
x-aksen
1. aksen
Koordinat-system
Koordinatsæt
(4,6)
(x,y)
Linier
y
P
O
x
© legoglektie.dk
1)Tegn en ret linie:
Y=ax+b
Lineær funktion
2) Lav en t**abel.**
3) Tegn ind i et **koordinatsystem.**
Tabel
Y=2x+4
X 1 2 3
y 6 8 10



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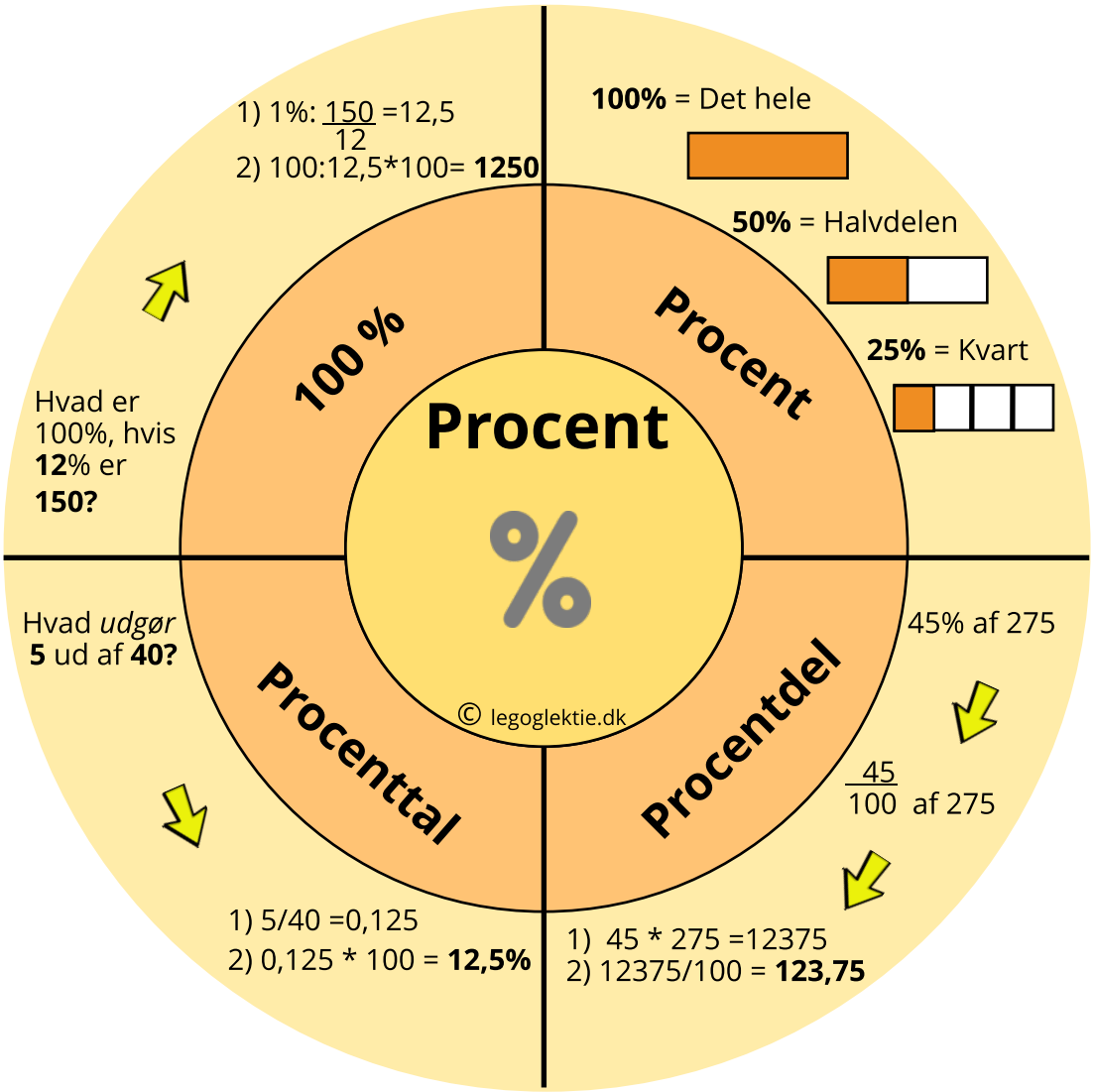

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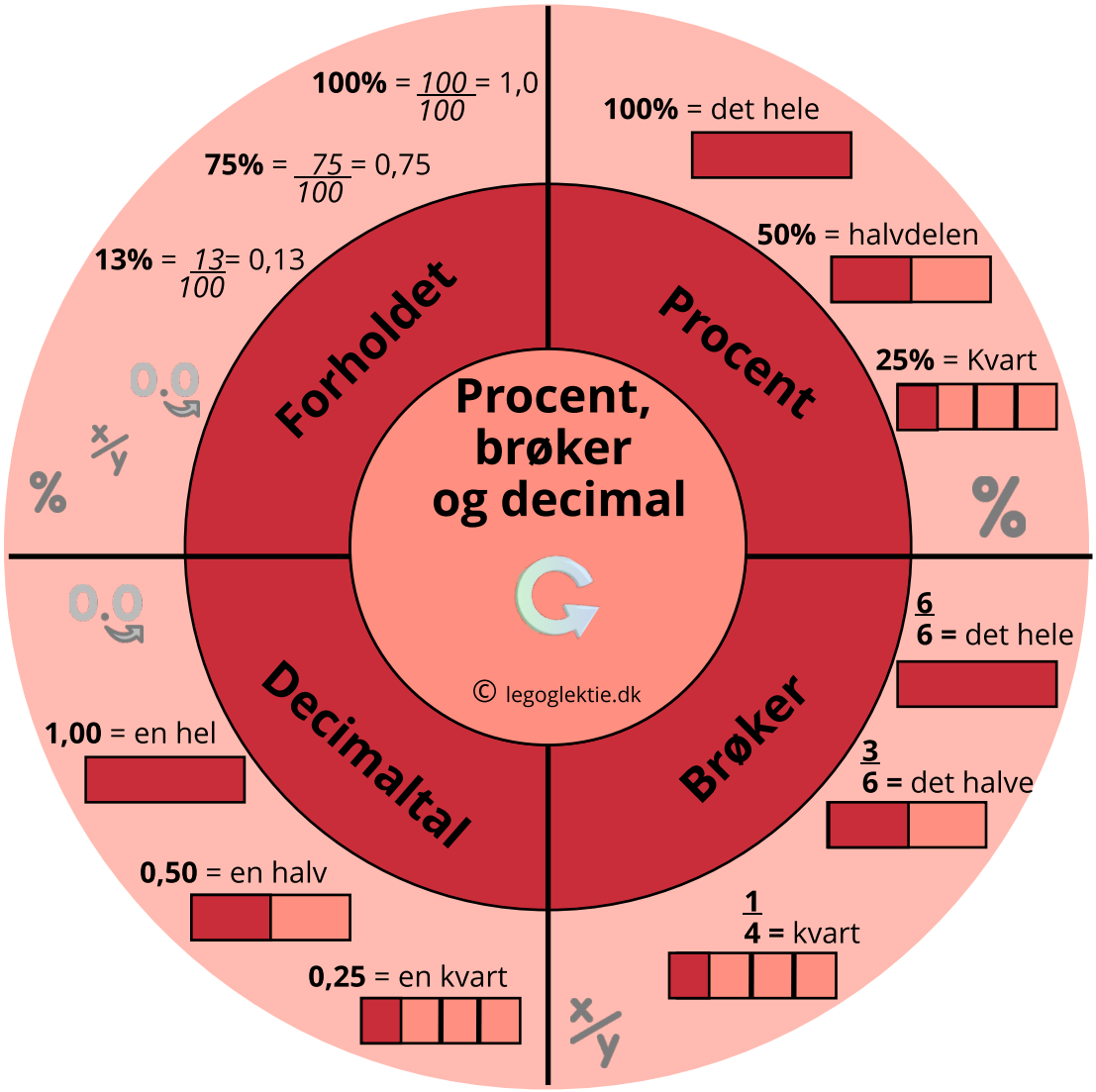

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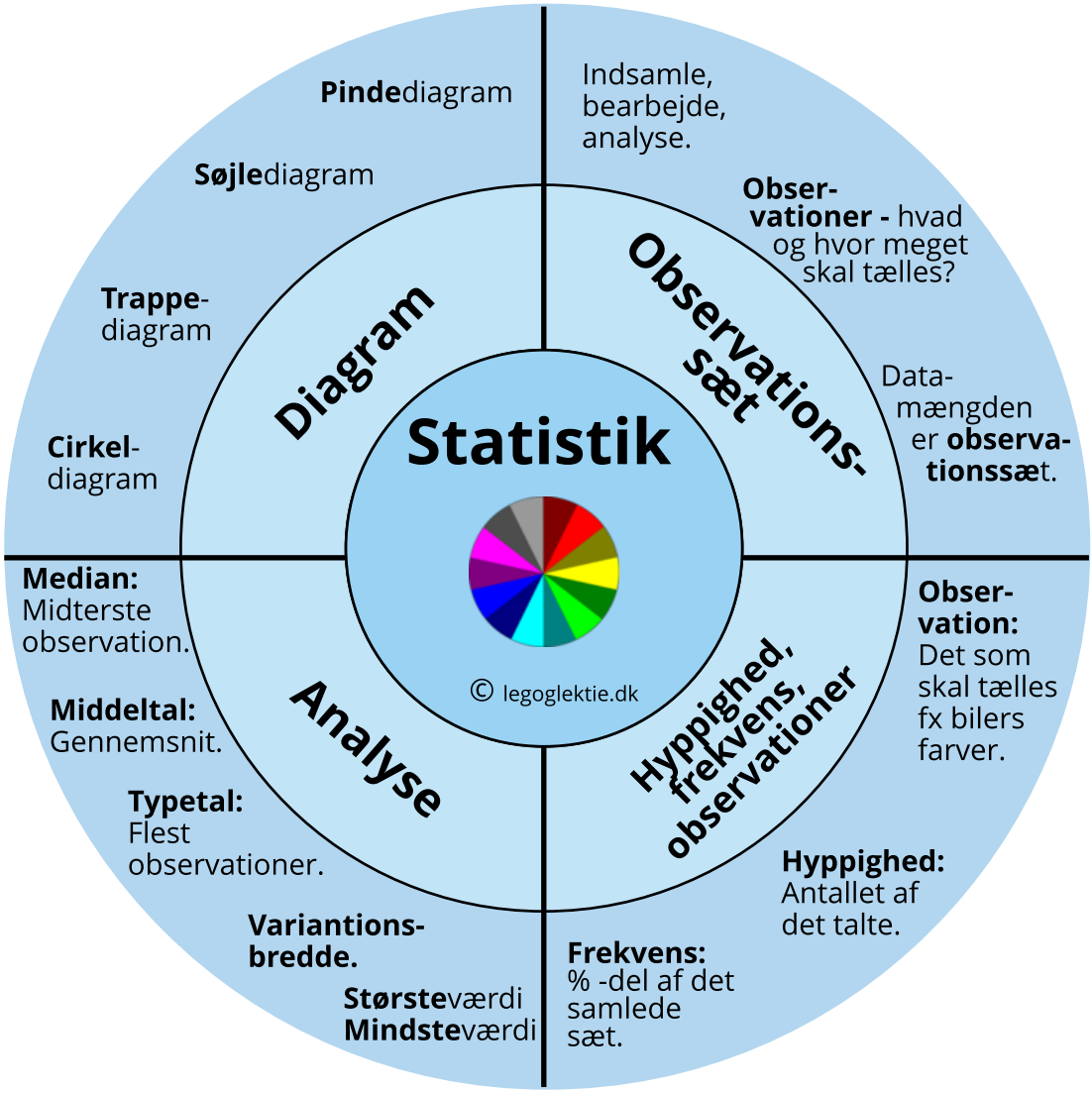

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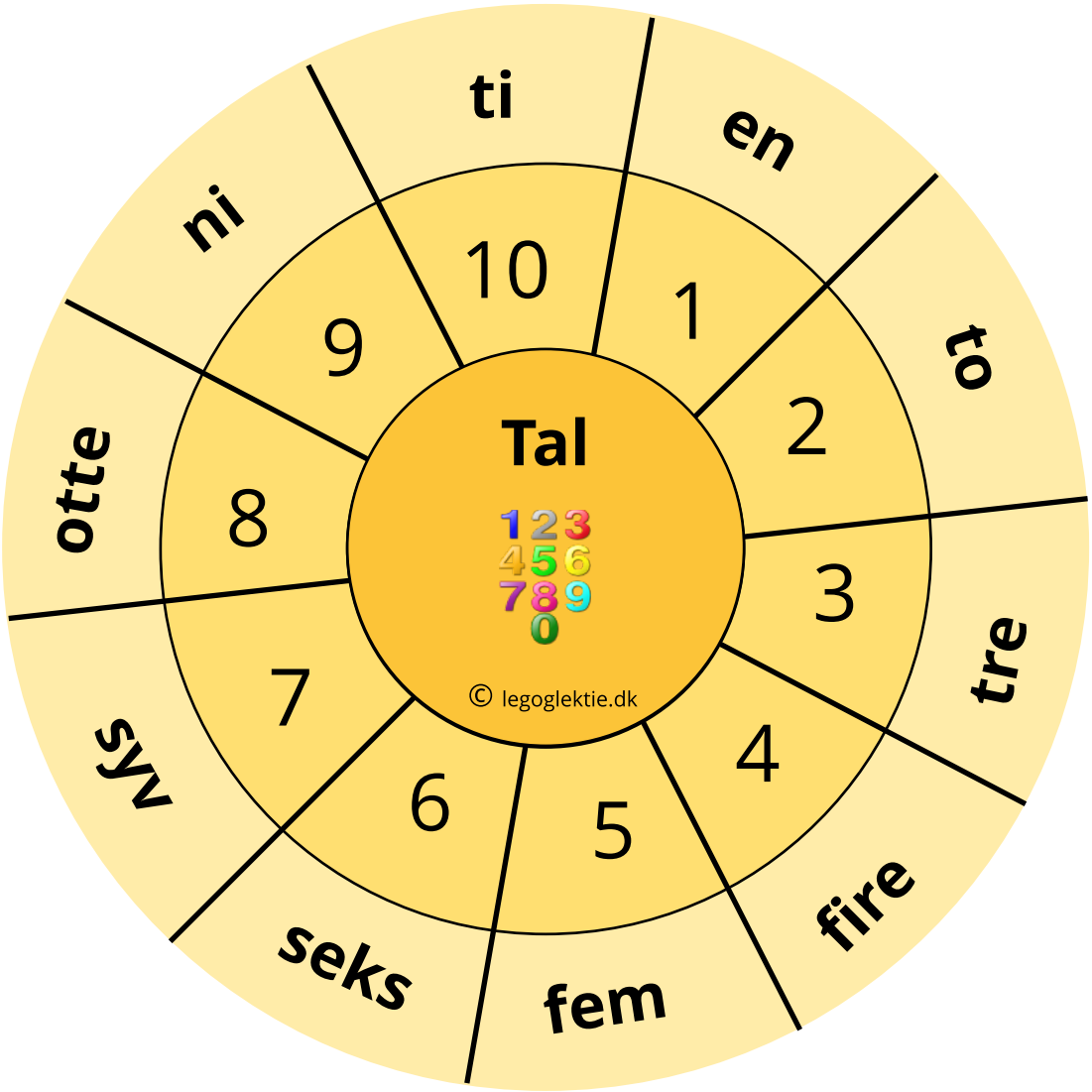

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