

# Potensregning 2

## Opgave 1

Beregn følgende potenstal (uden lommeregner):

a)  $2^5 = \underline{\hspace{2cm}}$

d)  $8^2 = \underline{\hspace{2cm}}$

b)  $4^3 = \underline{\hspace{2cm}}$

e)  $10^3 = \underline{\hspace{2cm}}$

c)  $3^4 = \underline{\hspace{2cm}}$

f)  $5^3 = \underline{\hspace{2cm}}$



## Opgave 2

Opstil stykkerne i potens:

a)  $3 \cdot 3 \cdot 3 \cdot 3 = \underline{\hspace{2cm}}$

e)  $7 \cdot 7 \cdot 7 \cdot 7 \cdot 2 \cdot 2 = \underline{\hspace{2cm}}$

b)  $9 \cdot 9 = \underline{\hspace{2cm}}$

f)  $5 \cdot 5 \cdot 8 \cdot 8 \cdot 8 = \underline{\hspace{2cm}}$

c)  $6 \cdot 6 \cdot 6 \cdot 6 \cdot 6 \cdot 6 \cdot 6 \cdot 6 = \underline{\hspace{2cm}}$

g)  $2 \cdot 2 \cdot 2 + 3 \cdot 3 \cdot 3 = \underline{\hspace{2cm}}$

d)  $2 \cdot 2 \cdot 2 \cdot 2 \cdot 2 \cdot 2 = \underline{\hspace{2cm}}$

h)  $2 \cdot 2 \cdot 2 \cdot 2 - 4 \cdot 4 \cdot 4 = \underline{\hspace{2cm}}$

## Opgave 3

Beregn følgende potenstal:

a)  $3^x = 9$ ;  $x = \underline{\hspace{2cm}}$

d)  $8^x = 64$ ;  $x = \underline{\hspace{2cm}}$

b)  $2^x = 8$ ;  $x = \underline{\hspace{2cm}}$

e)  $3^x = 27$ ;  $x = \underline{\hspace{2cm}}$

c)  $5^x = 125$ ;  $x = \underline{\hspace{2cm}}$

f)  $2^x = 32$ ;  $x = \underline{\hspace{2cm}}$

## Opgave 4

Skriv følgende tal som potenstal:

a) 1.00.000 =  $\underline{\hspace{2cm}}$

c) 100 =  $\underline{\hspace{2cm}}$

b) 10.000 =  $\underline{\hspace{2cm}}$

d) 1.000.000.000 =  $\underline{\hspace{2cm}}$