

$$1\% = \frac{1}{100} = 0,01$$

$$15\% = \frac{15}{100} = 0,15$$

15% rabatt. Varen koster 120,-
Hvor stor er rabatten?

$$\frac{15}{100} \cdot 120 = \frac{120}{100} \cdot 15 = 18,-$$

$$0,15 \cdot 120 = 18,-$$

nov. 23-12.47

En vare koster 300,-. Prisen seltes ned
til 240 kroner. Hvor mange % er den
satt ned?

$$\text{Satt ned med } 300 - 240 = 60$$

$$\frac{60}{300} \quad R$$

$$\frac{60}{240} \quad \text{Feil}$$

$$\frac{240}{300}$$

Hvor mye 240
gjør av 300

↓

80% av fullpris

$$\frac{60}{300} = \frac{6}{30} = \frac{1}{5} = 20\%$$

$$\frac{20}{100} \cdot 300 = 60$$

nov. 23-13.04

En flybillett kostet i går 800,-
 1 dag kostet den 1200 kroner.
 Hvor mange prosent har den steget i pris
 Økning • $1200 - 800 = 400,-$

$$\frac{400}{800} = \frac{1}{2} = 50\%$$

$$\frac{400}{1200} = \frac{1}{3} = \underline{\underline{33,33\%}}$$

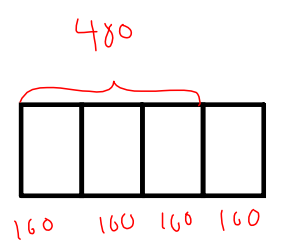
Promille = tusendel ‰

$$1‰ = \frac{1}{1000} = 0,001$$

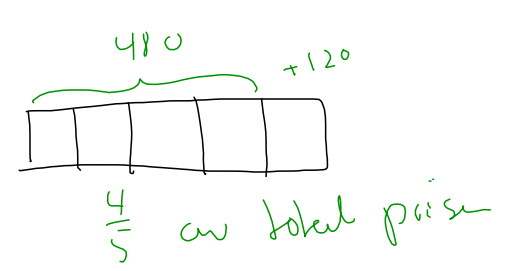
$$2,5‰ = \frac{2,5}{1000} = 0,0025$$

nov. 23-13.10

Gull • 585 585 ‰ gull
 sølv • 825 825 ‰ sølv



$$4 \cdot 160 = \underline{\underline{640}}$$



$$\frac{480}{3} =$$

$$480 \cdot 3 = \underline{\underline{160}}$$

$$\begin{array}{r} 18 \\ 18 \\ \hline 36 \\ 0 \\ \hline 0 \end{array}$$

nov. 23-13.19

Antar at der koste 100 kr

$$A: 100 + \frac{10}{100} \cdot 100 = 100 + 10 = 110$$

$$110 - \frac{10}{100} \cdot 110 = 110 - 11 = \underline{\underline{99}}$$

$$B: 100 - \frac{10}{100} \cdot 100 = 100 - 10 = 90$$

$$90 + \frac{10}{100} \cdot 90 = 90 + 9 = \underline{\underline{99}}$$

nov. 23-13.31

$$A: x + \frac{10}{100} \cdot x = x + 0,1x = 1,1x$$

$$1,1x - \frac{10}{100} \cdot 1,1x = 1,1x - 0,11x = \underline{\underline{0,99x}}$$

$$B: x - \frac{10}{100} \cdot x = x - 0,1x = 0,9x$$

$$0,9x + \frac{10}{100} \cdot 0,9x = 0,9x + 0,09 = \underline{\underline{0,99x}}$$

Generelt resonnement

nov. 23-13.34

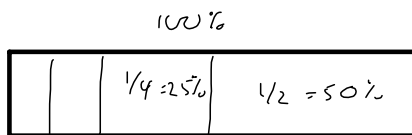
Vår 2016

$$3c) \frac{7}{25} = \frac{7 \cdot 4}{25 \cdot 4} = \frac{28}{100} = 0,28 = 28\%$$

$$\frac{7}{56} = \frac{7}{7 \cdot 8} = \frac{1}{8} \cdot 12,5 = \frac{12,5}{100} = 12,5\% = 0,125$$

$$1 : 8 = 0,125 = 12,5\%$$

$$\begin{array}{r} 0 \\ \hline 10 \\ 8 \\ \hline 20 \\ 16 \\ \hline 40 \\ 40 \\ \hline 0 \end{array}$$



↑

$$\frac{1}{8} = 12,5\%$$

nov. 23-13.51

3c) økte fra 25 → 30 kroner

økte med 5 prosent

$$\frac{5}{25} = \frac{1}{5} = 0,2 = 20\%$$

Forventlig feil $\frac{5}{30}$, $\frac{5}{40}$

3d Verdt 80000 i dag • Fakt 20% i året • Hva var den verd for 2 år
• de ?

nov. 23-13.58

1 är sidan: x kronor (100 000)

$$x - \frac{20}{100} \cdot x = 80000$$

$$x - 0,2x = 80000$$

$$0,8x = 80000$$

$$x = \frac{80000}{0,8} = \underline{\underline{100000}}$$

nov. 23-14.08

2 är sidan: x kronor

$$x - \frac{20}{100} x = 100000$$

$$0,8x = 100000$$

$$x = \frac{100000}{0,8} = \underline{\underline{125000}}$$

$$\frac{1}{8} = 0,125$$

nov. 23-14.10

To in siden : 125 000 krone
 EL er side : 100 000 krone
 N_c : 80 000 krone

$$125000 - 0.2 \cdot 125000 = 100000$$

$$100000 - 0.2 \cdot 100000 = 80000$$

$$\frac{100000}{0.1} = \frac{1000000}{8} = \underline{\underline{125000}}$$

$$\frac{1}{8} = 0,125$$

nov. 23-14.12

80000

Et är sidor

Et är sidor : 100000

nov 23-14:32

Verdt 100000

20%

100000

$$\frac{100000}{4} = 25000$$

To är sidor $5 \cdot 25000 = \underline{\underline{125000}}$

nov 23-14:35