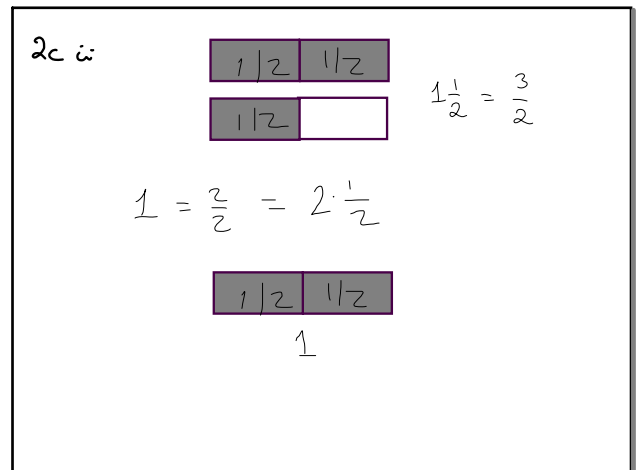
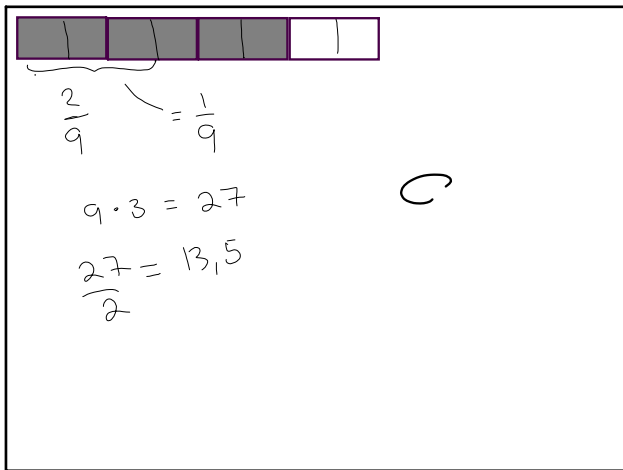


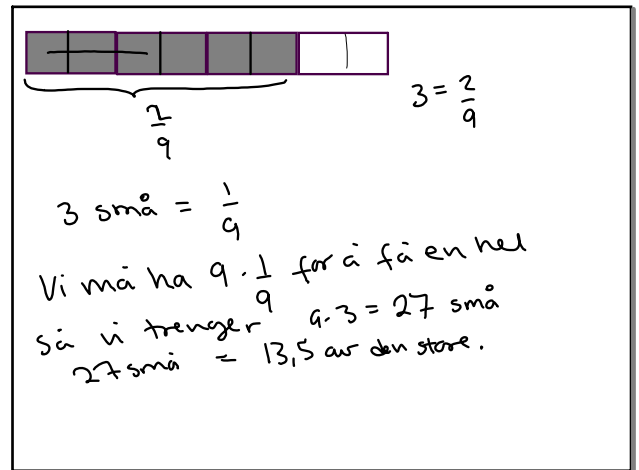
nov. 30-13.00



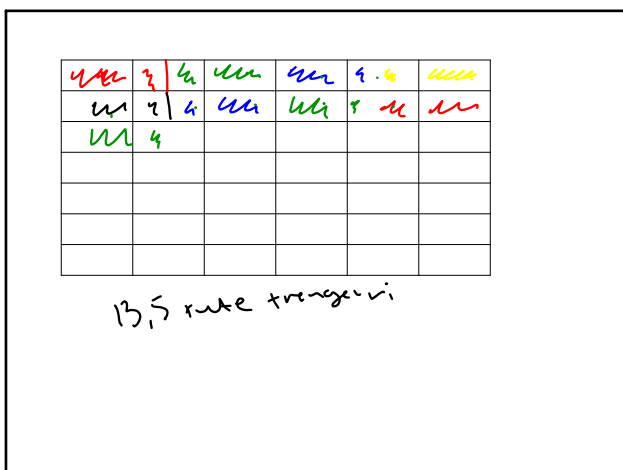
nov. 30-13.08



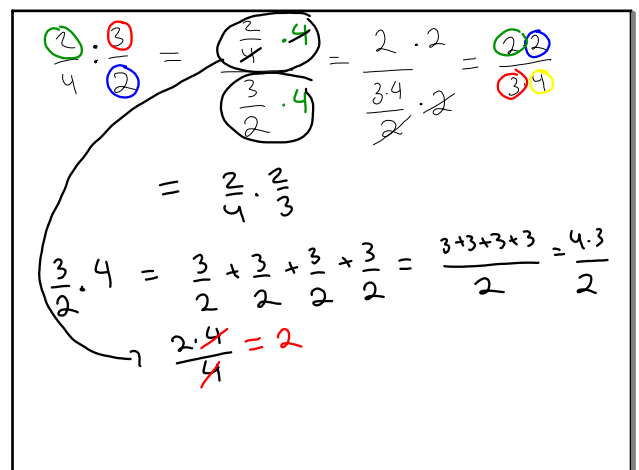
nov. 30-13.09



nov. 30-13.15



nov. 30-13.18



nov. 30-13.19

$$\frac{a}{b} : \frac{c}{d} = \frac{\frac{a \cdot d}{\cancel{b \cdot d}}}{\frac{\cancel{c \cdot b}}{c \cdot b}} = \frac{a \cdot d}{c \cdot b} = \frac{a \cdot d}{b \cdot c}$$

nov. 30-13.24

$$\frac{2}{4} : \frac{1}{4} = \frac{2}{4} \cdot 4$$

nov. 30-13.27

$\frac{3}{4} \cdot \frac{4}{5} = \frac{12}{20} = \frac{3}{5}$   
 Vi tar  $\frac{3}{4}$  av  $\frac{4}{5}$   
 $\frac{4}{5}$  av en Pizza  
 Så spiser vi  $\frac{3}{4}$  av det, hvor mye har vi spist  
 $\frac{12}{20} = \frac{6}{10} = \frac{3}{5}$

nov. 30-13.28

$\frac{1}{2} \cdot \frac{2}{5}$   
 Vi ønsker 2 av  $\frac{1}{2}$  av  $\frac{2}{5}$   
 $\frac{2}{10}$  biter =  $\frac{1}{5}$

nov. 30-13.32

$\frac{3}{4} \cdot \frac{1}{2} = \frac{3}{8}$   
 Har mengde vi tar av det vi har  
 Hvor stor del av den hele har vi tatt?  
 $\frac{3}{8}$

nov. 30-13.36

$3 \cdot \frac{5}{8} = \frac{15}{8} = 1 \frac{7}{8}$   
 $\frac{1}{8}$

nov. 30-13.40

$$1\frac{1}{2} \cdot 2\frac{1}{3} = \frac{3}{2} \cdot \frac{7}{3} = \frac{21}{6} = 3\frac{3}{6}$$

1      2      3      3  $\frac{3}{6}$

nov. 30-13.42

$$1\frac{1}{2} \cdot 2\frac{1}{3} = \frac{3}{2} \cdot \frac{7}{3} = \frac{3 \cdot 7}{2 \cdot 3} = \frac{21}{6} = 3\frac{1}{6}$$

En kake trenger  $2\frac{1}{3}$  l melk  
Pål skal bake  $1\frac{1}{2}$  kake. Hvor mye melk trenger han?

$$1\frac{1}{2} \cdot 2\frac{1}{3} = 1.5 \cdot 2\frac{1}{3} \text{ l}$$

nov. 30-13.48

$\frac{3}{4} + \frac{1}{4} = 1$        $\frac{1}{2} = \frac{1}{4} + \frac{1}{4}$

nov. 30-13.54

1.53 Blandingstørhold: 1:4  
↳ sand  
sement

Hvor stor del av blandingen er sement

$$1:4 = \frac{1}{4}$$

$\frac{1}{5}$  sement.

Vanlig feil.

nov. 30-14.00

1.55 360 km på 22,4 l bensin  
Hvor mye bensin trenger han for 650 km

$$\frac{22,4 \text{ l}}{360 \text{ km}} = 0,0622 \text{ l/km}$$

$$0,0622 \cdot 650 = 40,44 \text{ l}$$

nov. 30-14.06

1.57  
Rune: 50kr  
Bjørn: 20kr

a) Hvor stor del av en eventuell gevinst skal de ha hver?

Hele summen: 70kr

$$\text{Rune: } \frac{50}{70} = \frac{5}{7}$$

$$\text{Bjørn: } \frac{20}{70} = \frac{2}{7}$$

De vinner 8000 kr. Hvor mye skal Bjørn ha?

$$\frac{2}{7} \cdot 8000 \text{ kr} = 2285,7$$

$$\frac{2 \cdot 8000}{7} = \frac{16000}{7}$$

16 : 7 = 22  
14  
20  
24  
60

+ Røye = 13 kr

nov. 30-14.12

1.48  $\frac{1}{2} \text{ l på } \frac{3}{4} \text{ time}$

Hvor mye lekker den på en time?

$$\frac{1}{2} : \frac{3}{4} = \frac{1}{2} \cdot \frac{4}{3} = \frac{4}{6} = \frac{2}{3}$$

$\frac{2}{3}$  liter per time

Hvor mye lekker den på  $5\frac{1}{2}$  time?

$$5\frac{1}{2} \cdot \frac{2}{3} = \frac{11}{2} \cdot \frac{2}{3} = \frac{22}{6} = \frac{11}{3} \text{ l} = 3\frac{2}{3} \text{ l}$$

nov. 30-14.17

$1 - \frac{1}{8}$   $1 - \frac{4}{5}$   $1 - \frac{3}{4}$   $1 - \frac{3}{5}$

$1 - \frac{1}{8} = \frac{7}{8}$   $1 - \frac{4}{5} = \frac{1}{5}$   $1 - \frac{3}{4} = \frac{1}{4}$   $1 - \frac{3}{5} = \frac{2}{5}$

nov. 30-14.21

$\frac{1}{2} + \frac{3}{5}$

1 liter appelsinjuice  $1 \text{ l } \frac{1}{10} \text{ juice}$

3 liter eplejuice

Hvor mye juice har den  $\frac{1}{2} = \frac{5}{10}$   $\frac{3}{5} = \frac{6}{10}$

$$\frac{1}{2} + \frac{3}{5} = \frac{5}{10} + \frac{6}{10} = \frac{11}{10} = 1\frac{1}{10}$$

nov. 30-13.53

$2\frac{1}{2} - \frac{3}{4} = 1\frac{3}{4}$

$\frac{5}{2} - \frac{3}{4} = \frac{10}{4} - \frac{3}{4} = \frac{7}{4} = 1\frac{3}{4}$

nov. 30-14.33

$5 : \frac{3}{4} = \frac{5}{2} \cdot \frac{4}{3} = \frac{20}{6} = \frac{10}{3} = 3\frac{1}{3}$

$2\frac{1}{2} \text{ km som skal deles opp i etapper på } \frac{3}{4} \text{ km:}$

nov. 30-14.35

Oppgave 3

1. Vi vet at vi har betalt 70% av gensenen.

$70\% = 189 \text{ kr}$

$1\% = 2,7 \text{ kr}$

$100\% = 2,7 \cdot 100 = 270 \text{ kr}$

nov. 30-14.43

ii) Prisen på genseren er ulgent x

$$\frac{x \cdot 70}{100} = 189 \text{ kr}$$

$$x = \frac{189 \text{ kr} \cdot 100}{70}$$
$$= \underline{\underline{270 \text{ kr}}}$$

nov. 30-14.44

Vanlig feil:

$$30\% \text{ av } \underline{189 \text{ kr}}$$

$$189 \cdot 0,3 = 56,7 \text{ kr}$$

genseren koster derfor

$$189 + 56,7 = 245,70 \text{ kr}$$

$$c) 245,70 \cdot 0,70 = \underline{171,99 \text{ kr}}$$

nov. 30-14.46