

23,451

↑ ↑ ↑ ↑

3  $\frac{4}{10}$   $\frac{5}{100}$   $\frac{1}{1000}$

2 litere

0,4

Desimaltall = Desimalbrøk

nov. 21-08.57

Engelsk 34,46

0,45 0,5 0,6 Elektron

0,45 størst fordi 45 > 6

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0,55 0,5 0,4 55 > 4

Parlis oppgave

nov. 21-09.25

30      tretti

300      tre hundre

0,6

0,60

030 = 30

0,3 ≠ 0,03      (2,22)

nov. 21-09.34

0,3 = 0,03

30 = 030



betryr i regning

0,07 = 0,7 > 0,5

0,07 > 0,5

nov. 21-09.38

0,03 0,3 0,4

0,03 = 0,3

0,3 < 0,4

0,03 < 0,4 R

nov. 21-09.40

150 = 15 tiere

Skrive 15 tiere som desimaltal

0,15

tierteplass

0,004

0,4

nov. 21-09.42



Angiør hva som er størst

a)  $0,3$   $0,04$   $0,024$   $0,56$

b)  $0,46$   $0,234$   $0,6$   $0,12$

U-feil

nov. 21-10.16

$0,234$  og  $0,34$

$0,12$  og  $0,8$

$0,346$  og  $0,7$

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$4,7$   $4,09$   $4,008$

$4,08 < 4,09$

nov. 21-10.36

$$\begin{array}{r} 2,5 \cdot 1,2 \\ \hline 60 \\ 24 \\ \hline \end{array} \rightarrow \text{Flyttet to plasser}$$

$$\begin{array}{r} 3,00 \\ \hline \hline \end{array} \rightarrow \text{Flytte to plasser}$$

$$\begin{aligned} 2,5 \cdot 1,2 &= \frac{25}{10} \cdot \frac{12}{10} = \frac{25 \cdot 12}{100} \\ &= \frac{300}{100} = \underline{\underline{3,00}} \end{aligned}$$

nov. 21-10.42

$$2,5 \quad 1,2$$

$$2,5 \approx 3 \quad 1,2 \approx 1$$

$$3 \cdot 1 = 3$$

$$25 \cdot 12 = 300$$

nov. 21-10.46

$$\frac{3}{10} = 0,3$$

$$\frac{1}{4} = 0,25$$

$$\frac{1 \cdot 25}{4 \cdot 25} = \frac{25}{100} = 0,25$$

$$\frac{4}{5} = 0,8$$

$$\frac{4 \cdot 20}{5 \cdot 20} = \frac{80}{100} = 0,80$$

$$\frac{3}{25} = \frac{3 \cdot 4}{25 \cdot 4} = \frac{12}{100} = \underline{\underline{0,12}}$$

nov. 21-11.12

$$\frac{5}{12} = 5 : 12 = \underline{\underline{0,41666...}}$$

$$\frac{5}{12} = 0,41666...$$

$$= 0,41\bar{6}$$

$$\begin{array}{r} 0 \\ \hline 50 \\ 48 \\ \hline 20 \\ 12 \\ \hline 80 \\ 72 \\ \hline 80 \\ 72 \end{array}$$

nov. 21-11.15

$$\frac{3}{7} = 0.428571$$

$$\frac{3}{7} = 0.428571 \overline{428571} \dots$$

nov. 21-11.18

$$0,33 = \frac{33}{100}$$

$$0,33 \dots = \frac{1}{3}$$


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$$0,72 = \frac{72}{100} = \frac{36}{50} = \frac{18}{25} \quad \begin{matrix} (3 \cdot 6) \\ (5 \cdot 5) \end{matrix}$$

$$0,72 = \frac{72}{100} = \frac{\cancel{2} \cdot \cancel{2} \cdot 2 \cdot 3 \cdot 3}{\cancel{2} \cdot \cancel{2} \cdot 5 \cdot 5} = \frac{18}{25}$$

nov. 21-11.23



$$0,336 = \frac{336}{1000} = \frac{168}{500} = \frac{84}{250} =$$

$$\frac{42}{125} \quad \begin{matrix} (6 \cdot 7) \\ (5 \cdot 5 \cdot 5) \end{matrix}$$


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$$0,333 \dots = \frac{1}{3}$$

$$0,666 \dots = \frac{2}{3}$$

$$0,4444 \dots = \frac{4}{9}$$

nov. 21-11.28

$$0,363636 \dots$$

$$x = 0,363636 \dots \quad | \cdot 100$$

$$100x = 36,363636 \dots \quad \text{I}$$

$$x = 0,363636 \dots \quad \text{II}$$

$$\dots \quad \text{I} - \text{II}$$

$$99x = 36$$

$$x = \frac{36}{99} = \frac{12}{33} = \frac{4}{11}$$

nov. 21-11.31

$$0,151515 \dots$$

$$x = 0,151515 \dots \quad | \cdot 100$$

$$100x = 15,151515 \dots \quad \text{I}$$

$$x = 0,151515 \dots \quad \text{II}$$

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$$99x = 15 \quad \text{I} - \text{II}$$

$$x = \frac{15}{99} = \frac{5}{33}$$

nov. 21-11.35

$$0,270270270 \dots$$

$$1,234343434 \dots$$

$$0,792792792 \dots$$


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nov. 21-11.39

$$0,270270270 \dots$$

$$x = 0, \underline{270} \underline{270} \underline{270} \dots \quad | \cdot \underline{1000}$$

$$1000x = 270, \underline{270} \underline{270} \dots \quad \text{I}$$

$$x = 0,270270 \dots \quad \text{II}$$

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$$\text{I} - \text{II}$$

$$999x = 270$$

$$x = \frac{270}{999} = \frac{30}{111} = \frac{10}{\underline{\underline{37}}}$$

nov. 21-11.45

$$3,4 \cdot 2,6$$

$$\begin{array}{r} 34 \cdot \overset{1}{2}6 \\ \hline \end{array}$$

$$104$$

$$78$$

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$$8,84$$


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$$3,4 \approx 3$$

$$2,6 \approx 3$$

$$3 \cdot 3 = 9$$

nov. 21-10.47

3 røde kuler  
 2 grønne — " —  
 1 blå — " —

Trekke en kule tilfeldig

$$P(R) = \frac{2}{6}$$

$$P(G) = \frac{1}{3}$$

nov. 21-09.30

1.234343434.....

$$x = 1.234343434 \dots \quad | \cdot 10$$

$$10x = 12.343434 \dots$$

$$1000x = 1234.343434 \dots \quad \text{I}$$

$$10x = 12.343434 \quad \text{II}$$

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$$990x = 1222 \quad (1234 - 12) \quad \text{I} - \text{II}$$

$$x = \frac{1222}{990} = \frac{611}{495} = \frac{116}{99}$$

nov. 21-11.50

Oppgave 1

$$\frac{7}{200} = \frac{7 \cdot 5}{200 \cdot 5} = \frac{35}{1000} = \underline{\underline{0,035}}$$

$$\frac{7}{8} = \frac{7 \cdot 125}{8 \cdot 125} = \frac{875}{1000} = \underline{\underline{0,875}}$$

$$7 : 8 = \underline{\underline{0,875}}$$

$$\begin{array}{r} 0 \\ \hline 70 \\ 64 \\ \hline 60 \\ 56 \\ \hline 40 \\ 40 \\ \hline 0 \end{array}$$

nov. 21-12.32

$$\frac{4}{15} = 0,266 \dots$$

$$4 : 15 = 0,266 \dots$$

$$\begin{array}{r} 0 \\ \hline 40 \\ 30 \\ \hline 100 \\ 90 \\ \hline 100 \\ 90 \\ \hline 10 \end{array}$$

nov. 21-12.37

$$\frac{6}{13} =$$

$$\frac{6}{13} = 0,461538 \dots$$

$$= 0,461538461538 \dots$$

$$6 : 13 = 0,461538$$

$$\begin{array}{r} 0 \\ \hline 60 \\ 52 \\ \hline 80 \\ 78 \\ \hline 20 \\ 13 \\ \hline 70 \\ 65 \\ \hline 50 \\ 39 \\ \hline 110 \\ 104 \\ \hline 60 \end{array}$$

nov. 21-12.40

$$\frac{2}{9} = 0,222 \dots$$

$$2 : 9 = 0,22 \dots$$

$$\begin{array}{r} 0 \\ \hline 20 \\ 18 \\ \hline 20 \end{array}$$

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$$0,6 = \frac{6}{10} = \frac{3}{5}$$

$$0,36 = \frac{36}{100} = \frac{18}{50} = \frac{9}{25}$$

$$0,64 = \frac{64}{100} = \frac{32}{50} = \frac{16}{25}$$

nov. 21-12.45

$$0,136 = \frac{136}{1000} = \frac{68}{500} = \frac{34}{250} = \frac{17}{125}$$

$$0,737373 \dots$$

$$x = 0,737373 \dots$$

$| \cdot 100$

$$100x = 73,737373 \dots$$

I

$$x = 0,737373 \dots$$

II

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$$99x = 73$$

$$x = \frac{73}{99}$$

I - II

nov. 21-12.47

$$0,848484 \dots$$

$$x = 0,848484 \dots$$

$| \cdot 100$

$$100x = 84,848484 \dots$$

I

$$x = 0,848484 \dots$$

II

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$$99x = 84$$

I - II

$$x = \frac{84}{99} = \frac{28}{33}$$

nov. 21-12.50

$$\begin{aligned}
 & \underline{0,345345} \dots \\
 x &= 0,345345 \dots && | \cdot 1000 \\
 1000x &= 345,345345 \dots && \text{I} \\
 x &= 0,345345 && \text{II} \\
 \hline
 999x &= 345 \\
 x &= \frac{345}{999} = \frac{115}{333} && (5 \cdot 23)
 \end{aligned}$$

nov. 21-12.53

$$\begin{aligned}
 & 1,3565656 \dots \\
 x &= 1,3565656 \dots && | \cdot 10 \\
 10x &= 13,565656 \dots && | \cdot 100 \\
 1000x &= 1356,565656 \dots && \text{I} \\
 10x &= 13,565656 && \text{II} \\
 \hline
 990x &= 1343 && \text{I} - \text{II} \\
 x &= \frac{13430}{990} = \frac{1343}{99} = \frac{353}{99}
 \end{aligned}$$

nov. 21-12.56