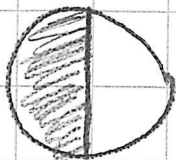


S.42

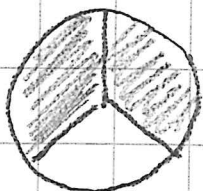
Murtoluvut

$$\frac{1}{2}$$

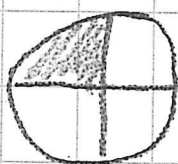
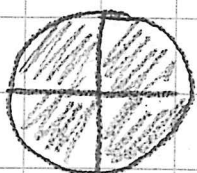
← osoittaja
← nimittäjä

murtoluku

$$(\text{desimaaliluku} = 0,5)$$



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



$$\frac{5}{4} = 1 \frac{1}{4}$$

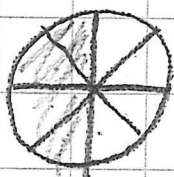
sekaluku

↑ kokonaisosa ↑ murto-osa

esim. $\frac{10}{3} = 3 \frac{1}{3}$



$$2 \frac{1}{3} = \frac{7}{3}$$

laaventaminen

$$\frac{1}{2} = \frac{2}{4} = \frac{4}{8} = \dots$$

supistaminen

$$\frac{8^{(2)}}{20} = \frac{4^{(2)}}{10} = \frac{2}{5}$$

$$\text{tai } \frac{8^{(4)}}{20} = \frac{2}{5}$$

esim.

$$6) \frac{1}{4}, 4) \frac{3}{6}, 2) \frac{5}{12}, 3) \frac{3}{8}$$

$$\frac{6}{24}, \frac{12}{24}, \frac{10}{24}, \frac{9}{24}$$

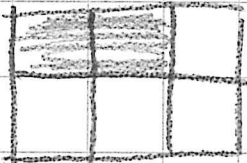
$$\frac{1}{4} < \frac{3}{8} < \frac{5}{12} < \frac{3}{6}$$

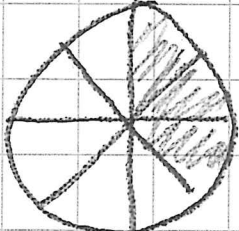
verrataan suuruusjärjestykseen

S.44

184

a)  $\frac{1}{3}$

b)  $\frac{2}{6} (= \frac{1}{3})$

c)  $\frac{3}{8}$

d) $\frac{5}{15} (= \frac{1}{3})$

188

a) $\frac{10^{(2)}}{4} = \frac{5}{2} = 2 \frac{1}{2}$

tai $\frac{10}{4} = 2 \frac{2^{(2)}}{4} = 2 \frac{1}{2}$

b) $\frac{25}{14} = 1 \frac{11}{14}$

$$c) \frac{8}{3} = 2\frac{2}{3}$$

$$d) \frac{35}{8} = 4\frac{3}{8}$$

189

$$a) 1\frac{1}{4} = \frac{5}{4}$$

(1·4 + 1)

$$b) 2\frac{5}{8} = \frac{21}{8}$$

$$c) 4\frac{1}{3} = \frac{13}{3}$$

$$d) 5\frac{8}{10} = \frac{58}{10} \left(= \frac{29}{5} \right)$$

sekaluku murtoluku

190

livena kolmella

$$a) \frac{3}{5} = \frac{9}{15}$$

$$b) \frac{4}{7} = \frac{12}{21}$$

$$c) \frac{1}{12} = \frac{3}{36}$$

$$d) \frac{5}{6} = \frac{15}{18}$$

191

supista

$$a) \frac{3}{12} = \frac{1}{4}$$

$$b) \frac{8}{36} = \frac{4}{18} = \frac{2}{9}$$

$$\text{tai} \frac{8}{36} = \frac{2}{9}$$

$$c) \frac{30^{15}}{45} = \frac{6^{13}}{9} = \frac{2}{3}$$

$$d) \frac{12^{12}}{54} = \frac{6^{13}}{27} = \frac{2}{9}$$

202

203

204

205

$$2) \frac{7}{12} = \frac{14}{24}$$