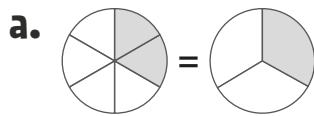
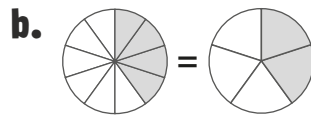


## Liite 13a: Supistaminen

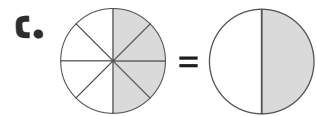
**1** Supista.



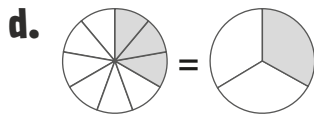
$$\frac{2}{6}^{(2)} = \underline{\hspace{2cm}}$$



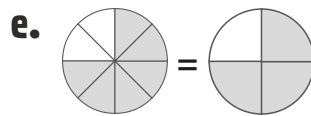
$$\frac{4}{10}^{(2)} = \underline{\hspace{2cm}}$$



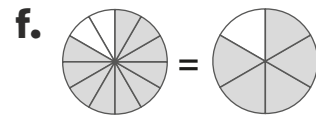
$$\frac{4}{8}^{(4)} = \underline{\hspace{2cm}}$$



$$\frac{3}{9}^{(3)} = \underline{\hspace{2cm}}$$



$$\frac{3}{6}^{(2)} = \underline{\hspace{2cm}}$$



$$\frac{5}{10}^{(2)} = \underline{\hspace{2cm}}$$

**2** Supista.

a.  $\frac{8}{10}^{(2)} = \underline{\hspace{2cm}}$     b.  $\frac{2}{14}^{(2)} = \underline{\hspace{2cm}}$     c.  $\frac{6}{10}^{(2)} = \underline{\hspace{2cm}}$     d.  $\frac{9}{21}^{(3)} = \underline{\hspace{2cm}}$

e.  $\frac{4}{20}^{(4)} = \underline{\hspace{2cm}}$     f.  $\frac{16}{20}^{(4)} = \underline{\hspace{2cm}}$     g.  $\frac{10}{25}^{(5)} = \underline{\hspace{2cm}}$     h.  $\frac{5}{30}^{(5)} = \underline{\hspace{2cm}}$

**3** Supista. Ympyröi vastaus.

Muista merkitä supistaja. 

a.  $\frac{2}{6}^{( )} = \underline{\hspace{2cm}}$     b.  $\frac{6}{14}^{( )} = \underline{\hspace{2cm}}$     c.  $\frac{9}{24}^{( )} = \underline{\hspace{2cm}}$     d.  $\frac{15}{25}^{( )} = \underline{\hspace{2cm}}$

e.  $\frac{12}{15}^{( )} = \underline{\hspace{2cm}}$     f.  $\frac{6}{9}^{( )} = \underline{\hspace{2cm}}$     g.  $\frac{14}{18}^{( )} = \underline{\hspace{2cm}}$     h.  $\frac{15}{18}^{( )} = \underline{\hspace{2cm}}$

$\frac{1}{3}$      $\frac{2}{3}$      $\frac{3}{5}$      $\frac{4}{5}$      $\frac{1}{6}$      $\frac{5}{6}$      $\frac{2}{7}$      $\frac{3}{7}$      $\frac{3}{8}$      $\frac{7}{9}$

**4** Supista mahdollisimman suurella luvulla. Ympyröi vastaus.

a.  $\frac{10}{20} = \underline{\hspace{2cm}}$     b.  $\frac{6}{18} = \underline{\hspace{2cm}}$     c.  $\frac{8}{12} = \underline{\hspace{2cm}}$     d.  $\frac{12}{20} = \underline{\hspace{2cm}}$

e.  $\frac{16}{20} = \underline{\hspace{2cm}}$     f.  $\frac{8}{40} = \underline{\hspace{2cm}}$     g.  $\frac{12}{30} = \underline{\hspace{2cm}}$     h.  $\frac{20}{24} = \underline{\hspace{2cm}}$

$\frac{1}{2}$      $\frac{1}{3}$      $\frac{2}{3}$      $\frac{3}{4}$      $\frac{1}{5}$      $\frac{2}{5}$      $\frac{3}{5}$      $\frac{4}{5}$      $\frac{1}{6}$      $\frac{5}{6}$

## Liite 13b: Supistaminen

1 Supista.

a.  $\frac{25^{(5)}}{30} =$  \_\_\_\_\_ b.  $\frac{18^{(2)}}{20} =$  \_\_\_\_\_ c.  $\frac{16^{(8)}}{24} =$  \_\_\_\_\_ d.  $\frac{21^{(7)}}{35} =$  \_\_\_\_\_

e.  $\frac{18^{(6)}}{30} =$  \_\_\_\_\_ f.  $\frac{27^{(9)}}{45} =$  \_\_\_\_\_ g.  $\frac{40^{(5)}}{45} =$  \_\_\_\_\_ h.  $\frac{42^{(7)}}{49} =$  \_\_\_\_\_

Muista merkitä supistaja.



2 Supista mahdollisimman suurella luvulla. Ympyröi vastaus.

a.  $\frac{30}{40} =$  \_\_\_\_\_ b.  $\frac{14}{36} =$  \_\_\_\_\_ c.  $\frac{15}{24} =$  \_\_\_\_\_ d.  $\frac{10}{32} =$  \_\_\_\_\_

e.  $\frac{49}{63} =$  \_\_\_\_\_ f.  $\frac{48}{56} =$  \_\_\_\_\_ g.  $\frac{81}{90} =$  \_\_\_\_\_ h.  $\frac{16}{40} =$  \_\_\_\_\_

$\frac{3}{4}$    $\frac{2}{5}$    $\frac{5}{6}$    $\frac{6}{7}$    $\frac{5}{8}$    $\frac{7}{9}$    $\frac{7}{10}$    $\frac{9}{10}$    $\frac{5}{16}$    $\frac{7}{18}$

3 Päättele puuttuva luku.

a.  $\frac{8}{\square} = \frac{2}{5}$

b.  $\frac{\square}{35} = \frac{3}{5}$

c.  $\frac{21}{\square} = \frac{7}{12}$

4 Supista murtoluku siten, että osoittajaan ja nimittäjään tulee mahdollisimman pieni luku. Voit supistaa murtoluvun vaihe kerrallaan.

a.  $\frac{48}{64} =$  \_\_\_\_\_

b.  $\frac{140}{210} =$  \_\_\_\_\_

c.  $\frac{450}{600} =$  \_\_\_\_\_

5 Päättele murtoluku.

- Murtoluku on yhtä suuri kuin  $\frac{1}{4}$ .
- Murtoluvun voi supistaa luvuilla 5 ja 7.
- Murtoluvun osoittaja on suurempi kuin 40, mutta pienempi kuin 100.

Vastaus: