

2.6. SVOĐENJE RAZLOMAKA NA ZAJEDNIČKI NAZIVNIK

1. Dopunite rečenice.

a) Najmanji zajednički _____ dvaju ili više brojeva je najmanji broj koji je djeljiv sa zadanim brojevima.

b) Ako je najveći zajednički djelitelj brojeva a i b jednak broju 1, tada je njihov najmanji zajednički višekratnik jednak _____ tih brojeva.

2. Svedite na najmanji zajednički nazivnik.

a) $\frac{1}{2}$ i $\frac{2}{3}$ $D(2, 3) = \underline{\hspace{2cm}}$ $V(2, 3) = \underline{\hspace{1cm}} \cdot \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$

$$\frac{1}{2} = \frac{\cdot}{\cdot} = \frac{\cdot}{6} \qquad \frac{2}{3} = \frac{\cdot}{\cdot} = \frac{\cdot}{6}$$

b) $\frac{3}{2}$ i $\frac{2}{5}$ $D(2, 5) = \underline{\hspace{2cm}}$ $V(2, 5) = \underline{\hspace{1cm}} \cdot \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$

$$\frac{3}{2} = \frac{\cdot}{\cdot} = \frac{\cdot}{\cdot} \qquad \frac{2}{5} = \frac{\cdot}{\cdot} = \frac{\cdot}{\cdot}$$

c) $\frac{5}{3} \div \frac{7}{4}$ $D(3, 4) = \underline{\hspace{2cm}}$ $V(3, 4) = \underline{\hspace{1cm}} \cdot \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$

$$\frac{5}{3} = \frac{\cdot}{\cdot} = \underline{\hspace{2cm}}$$

$$\frac{7}{4} = \frac{\cdot}{\cdot} = \underline{\hspace{2cm}}$$

d) $\frac{1}{3} \div \frac{2}{5}$ $D(3, 5) = \underline{\hspace{2cm}}$ $V(3, 5) = \underline{\hspace{1cm}} \cdot \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$

$$\frac{1}{3} = \frac{\cdot}{\cdot} = \underline{\hspace{2cm}}$$

$$\frac{2}{5} = \frac{\cdot}{\cdot} = \underline{\hspace{2cm}}$$

e) $\frac{1}{2} \div \frac{2}{7}$ $D(2, 7) = \underline{\hspace{2cm}}$ $V(2, 7) = \underline{\hspace{1cm}} \cdot \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$

$$\frac{1}{2} = \frac{\cdot}{\cdot} = \underline{\hspace{2cm}}$$

$$\frac{2}{7} = \frac{\cdot}{\cdot} = \underline{\hspace{2cm}}$$

f) $\frac{4}{5} \div \frac{1}{6}$ $D(5, 6) = \underline{\hspace{2cm}}$ $V(5, 6) = \underline{\hspace{1cm}} \cdot \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$

$$\frac{4}{5} = \frac{\cdot}{\cdot} = \underline{\hspace{2cm}}$$

$$\frac{1}{6} = \frac{\cdot}{\cdot} = \underline{\hspace{2cm}}$$

g) $\frac{3}{5} \div \frac{6}{7}$ $D(5, 7) = \underline{\hspace{2cm}}$ $V(5, 7) = \underline{\hspace{1cm}} \cdot \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$

$$\frac{3}{5} = \frac{\cdot}{\cdot} = \underline{\hspace{2cm}}$$

$$\frac{6}{7} = \frac{\cdot}{\cdot} = \underline{\hspace{2cm}}$$

3. Svedite na najmanji zajednički nazivnik.

a) $\frac{1}{2}$ i $\frac{3}{4}$ $D(2, 4) = 2$ $V(2, 4) = 4$ $\frac{1}{2} = \frac{\cdot}{\cdot} = \frac{\cdot}{4}$ i $\frac{3}{4}$

b) $\frac{2}{3}$ i $\frac{5}{6}$ $D(3, 6) = \underline{\hspace{1cm}}$ $V(3, 6) = \underline{\hspace{1cm}}$ $\frac{2}{3} = \frac{\cdot}{\cdot} = \underline{\hspace{1cm}}$ i $\frac{5}{6}$

c) $\frac{5}{4}$ i $\frac{3}{8}$ $D(4, 8) = \underline{\hspace{1cm}}$ $V(4, 8) = \underline{\hspace{1cm}}$ $\frac{5}{4} = \frac{\cdot}{\cdot} = \underline{\hspace{1cm}}$ i $\frac{3}{8}$

d) $\frac{3}{2}$ i $\frac{7}{6}$ $D(2, 6) = \underline{\hspace{1cm}}$ $V(2, 6) = \underline{\hspace{1cm}}$ $\frac{3}{2} = \frac{\cdot}{\cdot} = \underline{\hspace{1cm}}$ i $\frac{7}{6}$

e) $\frac{1}{3}$ i $\frac{5}{9}$ $D(3, 9) = \underline{\hspace{1cm}}$ $V(3, 9) = \underline{\hspace{1cm}}$ $\frac{1}{3} = \frac{\cdot}{\cdot} = \underline{\hspace{1cm}}$ i $\frac{5}{9}$

4. Svedite na najmanji zajednički nazivnik.

a) $\frac{1}{4}$ i $\frac{5}{6}$

$V(4, 6) = _ \cdot _ \cdot _ = _$

4, 6

$\frac{1}{4} = \frac{\cdot}{\cdot} = _$

$\frac{5}{6} = \frac{\cdot}{\cdot} = _$

b) $\frac{1}{6}$ i $\frac{3}{8}$

$V(6, 8) = _ \cdot _ \cdot _ = _$

6, 8

$\frac{1}{6} = \frac{\cdot}{\cdot} = _$

$\frac{3}{8} = \frac{\cdot}{\cdot} = _$

c) $\frac{5}{6}$ i $\frac{7}{9}$

$V(6, 9) = _ \cdot _ \cdot _ = _$

6, 9

$\frac{5}{6} = \frac{\cdot}{\cdot} = _$

$\frac{7}{9} = \frac{\cdot}{\cdot} = _$

$$\text{d) } \frac{3}{4} \text{ i } \frac{11}{10} \quad V(4, 10) = _ \cdot _ \cdot _ = _ \quad 4, 10 \left| \right.$$

$$\frac{3}{4} = \frac{\cdot}{\cdot} = _ \quad \frac{11}{10} = \frac{\cdot}{\cdot} = _$$

$$\text{e) } \frac{5}{12} \text{ i } \frac{1}{30} \quad V(12, 30) = _ \cdot _ \cdot _ = _ \quad 12, 30 \left| \right.$$

$$\frac{5}{12} = \frac{\cdot}{\cdot} = _ \quad \frac{1}{30} = \frac{\cdot}{\cdot} = _$$

$$\text{f) } \frac{1}{24} \text{ i } \frac{3}{32} \quad V(24, 32) = _ \cdot _ \cdot _ = _ \quad 24, 32 \left| \right.$$

$$\frac{1}{24} = \frac{\cdot}{\cdot} = _ \quad \frac{3}{32} = \frac{\cdot}{\cdot} = _$$