

Množenje nenegativnih racionalnih brojeva

1. zadatak

Izračunajte.

a) $3 \cdot \frac{2}{7} = \frac{\cdot}{7} = \text{---}$

b) $7 \cdot \frac{1}{4} = \frac{\cdot}{4} = \text{---} = 1\text{---}$

c) $8 \cdot \frac{4}{11} = \frac{\cdot}{11} = \text{---} = \text{---}$

d) $9 \cdot \frac{5}{8} = \frac{\cdot}{8} = \text{---} = \text{---}$

e) $\frac{1}{5} \cdot 6 = \frac{\cdot}{5} = \text{---} = \text{---}$

f) $\frac{4}{9} \cdot 5 = \frac{\cdot}{9} = \text{---} = \text{---}$

2. zadatak

Izračunajte.

a) $\frac{1}{2}$ od 3 je $\frac{1}{2} \cdot 3 = \frac{\cdot}{2} = \text{---} = 1\text{---}$

b) $\frac{2}{5}$ od 7 je $\frac{2}{5} \cdot 7 = \frac{\cdot}{5} = \text{---} = \text{---}$

c) $\frac{3}{4}$ od 9 je $\frac{3}{4} \cdot 9 = \frac{\cdot}{4} = \text{---} = \text{---}$

d) $\frac{7}{10}$ od 11 je $\frac{7}{10} \cdot 11 = \frac{\cdot}{10} = \text{---} = \text{---}$

3. zadatak

$$a) \quad \cancel{4}^1 \cdot \frac{3}{\cancel{8}_2} = \frac{1 \cdot 3}{2} = \frac{3}{2} = 1 \frac{1}{2}$$

$$c) \quad 6 \cdot \frac{7}{12} = \frac{6 \cdot 7}{12} = \frac{42}{12} = 3 \frac{1}{2}$$

4. zadatak

Izračunajte.

$$a) \quad \frac{2}{3} \cdot \frac{5}{7} = \frac{2 \cdot 5}{3 \cdot 7} = \frac{10}{21}$$

$$b) \quad \frac{1}{10} \cdot \frac{3}{5} = \frac{1 \cdot 3}{10 \cdot 5} = \frac{3}{50}$$

$$c) \quad \frac{4}{11} \cdot \frac{2}{3} = \frac{4 \cdot 2}{11 \cdot 3} = \frac{8}{33}$$

$$d) \quad \frac{5}{8} \cdot \frac{9}{4} = \frac{5 \cdot 9}{8 \cdot 4} = \frac{45}{32}$$

$$e) \quad \frac{6}{7} \cdot \frac{3}{5} = \frac{6 \cdot 3}{7 \cdot 5} = \frac{18}{35}$$

$$f) \quad \frac{10}{11} \cdot \frac{5}{9} = \frac{10 \cdot 5}{11 \cdot 9} = \frac{50}{99}$$

5. zadatak

Izračunajte.

$$a) \quad \frac{1}{2} \text{ od } \frac{3}{4} \text{ je } \frac{1}{2} \cdot \frac{3}{4} = \frac{1 \cdot 3}{2 \cdot 4} = \frac{3}{8}$$

$$b) \quad \frac{2}{7} \text{ od } \frac{6}{5} \text{ je } \frac{2}{7} \cdot \frac{6}{5} = \frac{2 \cdot 6}{7 \cdot 5} = \frac{12}{35}$$

6. zadatak

$$a) \frac{1 \cancel{2}^1}{3} \cdot \frac{5}{\cancel{4}_2} = \frac{1 \cdot 5}{\cdot} = \text{---}$$

$$b) \frac{1}{10} \cdot \frac{5}{7} = \frac{\cdot}{\cdot} = \text{---}$$

$$c) \frac{4}{11} \cdot \frac{3}{20} = \frac{\cdot}{\cdot} = \text{---}$$

$$d) \frac{5}{8} \cdot \frac{2}{15} = \frac{\cdot}{\cdot} = \text{---}$$

$$e) \frac{3}{4} \cdot \frac{2}{9} = \frac{\cdot}{\cdot} = \text{---}$$

$$f) \frac{10}{21} \cdot \frac{7}{2} = \frac{\cdot}{\cdot} = \text{---}$$

7. zadatak

Izračunajte.

$$a) 1\frac{2}{3} \cdot \frac{5}{7} = \frac{5}{3} \cdot \frac{5}{7} = \text{---} = 1\text{---}$$

$$b) 1\frac{1}{10} \cdot \frac{3}{4} = \frac{11}{10} \cdot \frac{3}{4} = \text{---}$$

$$c) 2\frac{3}{11} \cdot \frac{2}{5} = \text{---} \cdot \text{---} = \text{---}$$

$$d) 2\frac{5}{8} \cdot \frac{4}{7} = \text{---} \cdot \text{---} = \text{---}$$

7. zadatak

a) $0.5 \cdot \frac{3}{4} = \frac{5}{10} \cdot \text{---} = \text{---}$

b) $0.7 \cdot \frac{3}{14} = \text{---} \cdot \text{---} = \text{---}$

c) $1\frac{1}{6} \cdot 1.2 = \text{---} \cdot \text{---} = \text{---}$

d) $2\frac{1}{8} \cdot 1.6 = \text{---} \cdot \text{---} = \text{---}$

e) $2\frac{2}{5} \cdot 0.2 = \text{---} \cdot \text{---} = \text{---}$

f) $3\frac{1}{9} \cdot 0.18 = \text{---} \cdot \text{---} = \text{---}$

8. zadatak

Stolar je razrezao dasku na dva dijela: prvi je dio duljine $1\frac{1}{5}$ m, a drugi je dva puta dulji od prvog dijela. Kolika je duljina drugog dijela?

$1\frac{1}{5} \cdot 2 = \text{---} \quad 2 = \text{---} = \text{---}$