

# Fracții zecimale lección 1.

1. a) 0,3  
b) 2,07  
c) 0,043  
d) 0,028  
e) 6,07  
f) 0,09

2. 26,784  
a) cifra zecilor este egală cu 2, iar cifra zecimilor este egală cu 7.

b) Partea întreagă a numărului este egală cu 26, iar partea zecimală este egală cu 0,784.

c) Cifra sutimilor este egală cu 8, iar numărul sutimilor este egal cu 2678.

d) Numărul dat conține 26784 mii, iar cifra miimilor este egală cu 4.

3.  $\frac{2}{10} = 0,2$

$$\frac{2567}{100} = 25,67$$

$$\frac{32}{100} = 0,32$$

$$\frac{7958}{10000} = 0,7958$$

$$\frac{32}{10000} = 0,0032$$

$$\frac{79}{1000} = 0,079$$

$$\frac{7}{1000} = 0,007$$

$$4. \quad 0,02 = \frac{2}{100}$$

$$1,023 = \frac{1023}{1000}$$

$$45,32 = \frac{4532}{100}$$

$$156,003 = \frac{156003}{1000}$$

$$7,9 = \frac{79}{10}$$

$$0,9 = \frac{9}{10}$$

$$5. \quad \left( \frac{234}{10} ; 2,34 \right) \quad (F)$$

$$\left( 0,235 ; \frac{235}{100} \right) \quad (F)$$

$$\left( \frac{123}{1000} ; 0,123 \right) \quad (A)$$

$$\left( 0,0023 ; \frac{2300}{1000} \right) \quad (F)$$

$$\left( \frac{234}{1000} ; 0,234 \right) \quad (A)$$

$$6. \quad \frac{4/3}{25} = \frac{12}{100} = 0,12$$

$$\frac{2/4}{5} = \frac{8}{10} = 0,8$$

$$\frac{25/21}{4} = \frac{25 \cdot 21}{100} = \frac{525}{100} = 5,25$$

$$\frac{8/3}{125} = \frac{24}{1000} = 0,024$$

$$\frac{27}{50} = \frac{14}{100} = 0,14$$

$$\frac{4}{25} \cdot 423 = \frac{4 \cdot 423}{100} = \frac{1692}{100} = 16,92$$

$$\frac{4}{2500} \cdot 497\,358 = \frac{4 \cdot 497\,358}{10\,000} = \frac{1\,989\,432}{10\,000} = 198,9432$$

$$\frac{2}{5000} \cdot 312 = \frac{624}{10\,000} = 0,0624$$

$$\frac{5}{2000} \cdot 173\,005 = \frac{5 \cdot 173\,005}{10\,000} = \frac{865\,025}{10\,000} = 86,5025$$

$$7. \ a) \ 40 + 3 + \frac{5}{10} + \frac{6}{100} = 43,56$$

$$b) \ 3 \cdot 100 + 0 \cdot 10 + 5 + \frac{1}{10} + \frac{0}{100} + \frac{7}{1000} = 305,107$$

$$8. \ a) \ 6,37 = \frac{m}{10^2} \Leftrightarrow \frac{637}{100} = \frac{m}{100} \Rightarrow m = 637$$

$$b) \ 4,187 = \frac{4187}{10^m} \Leftrightarrow \frac{4187}{10^3} = \frac{4187}{10^m} \Rightarrow m = 3$$

$$c) \ 1,3 = \frac{m}{100} \Leftrightarrow \frac{130}{10} = \frac{m}{100} \Leftrightarrow \frac{130}{100} = \frac{m}{100} \Rightarrow m = 130$$

# Limitest

1. a)  $\frac{28}{1000} = 0,028$

b)  $\frac{1234}{100} = 12,34$

2. a)  $0,034 = \frac{34}{1000}$

b)  $11,08 = \frac{1108}{100}$

3.  $a + b = ?$

$$1,12 = \frac{a}{50} \Leftrightarrow \frac{112}{100} = \frac{2a}{50} \Leftrightarrow \frac{112}{100} = \frac{2a}{100} \Rightarrow 2a = 112 \Rightarrow$$

$$\Rightarrow a = 112 : 2 \Rightarrow a = 56$$

$$4,24 = \frac{b}{25} \Leftrightarrow \frac{424}{100} = \frac{4b}{25} \Leftrightarrow \frac{424}{100} = \frac{4b}{100} \Rightarrow 4b = 424 \Rightarrow$$

$$\Rightarrow b = 424 : 4 \Rightarrow b = 106$$

$$a + b = 56 + 106 = 162$$

4.  $a, b, c = ?$

$$\overline{a3,92c} = 73 + \frac{\overline{b2}}{100} + \frac{\frac{2}{4}}{500}$$

$$\overline{a3} + \frac{92}{100} + \frac{c}{1000} = 73 + \frac{\overline{b2}}{100} + \frac{8}{1000} \Rightarrow$$

$$\Rightarrow \overline{a3} = 73 \Rightarrow a = 7$$

$$92 = \overline{b2} \Rightarrow b = 9$$

$$c = 8$$