

# Fisă pentru portofoliul individual

1. a) C. 3 300 030.

b)  $\Delta$ . 730.

$$27^2 = 27 \cdot 27 = 729$$

$$730 > 729$$

c)  $13\,208 : 26 = 508$

R: B. 508

d)  $a = 5^{20} : 5^{18} = 5^{20-18} = 5^2 = 25$

$$b = 5^3 = 125$$

$$c = 11$$

$$d = 5^2 - 5 = 5 \cdot (5 - 1) = 5 \cdot 4 = 20.$$

R: C. c

2. a)  $x - 456\,478 = 5\,000\,000$

$$x = 5\,000\,000 + 456\,478$$

$$x = 5\,456\,478$$

b) 3 caiete ----- 12 lei

1 caiet -----  $12 : 3 = 4$  lei

R: 4 lei

c)  $35\text{ Kg roz\u021cu} \text{ ----- } 42\text{ Kg castraveti} \text{ ----- } 259\text{ lei} : 7$

$5\text{ Kg roz\u021cu} \text{ ----- } 6\text{ Kg castraveti} \text{ ----- } ?\text{ lei}$

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$5\text{ Kg roz\u021cu} \text{ ----- } 6\text{ Kg castraveti} \text{ ----- } 259 : 7 = 37\text{ lei}$

R: 37 lei

$$d) \begin{array}{l} 3 \text{ tractoare} \text{ --- --- --- } 12 \text{ ore} \\ 1 \text{ tractor} \text{ --- --- --- } 12 \cdot 3 = 36 \text{ ore} \end{array}$$

R: 36 ore

$$3. \ a) \ 1296 : (8 + x) = 36$$

$$8 + x = 1296 : 36$$

$$8 + x = 36$$

$$x = 36 - 8$$

$$x = 28$$

R: 4) 28

$$b) \begin{array}{c} \text{---} \text{---} \text{---} \text{---} \text{---} \text{---} \\ \text{P} \quad \text{+37} \\ \text{---} \text{---} \text{---} \text{---} \text{---} \text{---} \\ \text{305} \end{array}$$

$$P + 37 = 305$$

$$P = 305 - 37$$

$$P = 268$$

R: 5) 268

$$c) \ 30 \text{ vietăți} \left\{ \begin{array}{l} 2 \text{ picioare (rate)} \\ 4 \text{ picioare (iepure)} \end{array} \right\} 74 \text{ picioare}$$

Presupunem că toate vietățile au 2 picioare.

$$30 \cdot 2 = 60 \text{ picioare}$$

$$74 - 60 = 14 \text{ picioare (diferența dintre picioare)}$$

$$4 - 2 = 2 \text{ picioare (restul de picioare)}$$

$$14 : 2 = 7 \text{ iepuri}$$

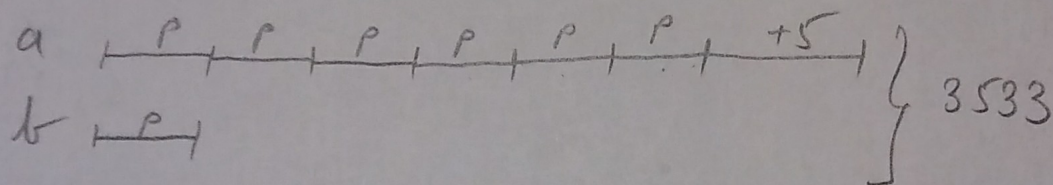
$$30 - 7 = 23 \text{ rate}$$

R: 1) 7

$$\begin{array}{r}
 d) \quad 6 \text{ caiete} = 2 \text{ cărți} \quad | : 2 \\
 3 \text{ caiete} \text{ ----- } 7 \text{ cărți} \text{ ----- } 72 \text{ lei} \\
 \hline
 3 \text{ caiete} = 1 \text{ carte} \\
 1 \text{ carte} \text{ ----- } 7 \text{ cărți} \text{ ----- } 72 \text{ lei} \\
 8 \text{ cărți} \text{ ----- } 72 \text{ lei} \\
 1 \text{ carte} \text{ ----- } 72 : 8 = 9 \text{ lei}
 \end{array}$$

R: 9 lei

$$\begin{array}{l}
 4. \quad a : b = 6 r 5 \Rightarrow a = b \cdot 6 + 5 \\
 a + b = 3533 \\
 \hline
 a, b = ? \\
 \hline
 \end{array}$$



$$3533 - 5 = 3528 \quad (7p)$$

$$3528 : 7 = 504 \quad (1p) \quad (b)$$

$$504 \cdot 6 + 5 = 3024 + 5 = 3029 \quad (a)$$

$$5. \quad 98 + (\overline{atrc5} - \overline{a005}) : 10 = 127, \quad c^b - bc = ?$$

$$(\overline{atrc5} - \overline{a005}) : 10 = 127 - 98$$

$$(\overline{atrc5} - \overline{a005}) : 10 = 29 \quad | \cdot 10$$

$$\overline{atrc5} - \overline{a005} = 290 \Rightarrow b - 0 = 2 \Rightarrow b = 2$$

$$c - 0 = 9 \Rightarrow c = 9$$

$$c^b - bc = 9^2 - 2 \cdot 9 = 81 - 18 = 63$$

R: 63