

01. a) 
$$\begin{array}{r} 15 \\ + 9 \\ \hline 24 \end{array} + 24$$

c) 
$$\begin{array}{r} -15 \\ -13 \\ \hline -28 \end{array} - 28$$

b) 
$$\begin{array}{r} 21 \\ 31 \\ -22 \\ \hline 09 \end{array} + 9$$

d) 
$$\begin{array}{r} 31 \\ 41 \\ -29 \\ \hline -12 \end{array} \rightarrow \text{n\u00famero negativo maior} - 12$$

e) 
$$\begin{array}{r} 21 \\ 86 \\ -17 \\ \hline -19 \end{array} \rightarrow \text{n\u00famero negativo maior} - 19$$

f) 
$$\begin{array}{r} 21 \\ 31 \\ -19 \\ \hline 12 \end{array} + 12$$

g) 
$$\begin{array}{r} 16 \\ -2 \\ \hline -14 \end{array} \rightarrow \text{n\u00famero negativo maior} - 14$$

h) 
$$\begin{array}{r} 1 \\ -29 \\ -12 \\ \hline -41 \end{array} - 41$$

i) 
$$\begin{aligned} & (+4 - 7) + (-8) \\ & \underbrace{-3} + (-8) = -11 \\ & = -11 \end{aligned}$$

j) 
$$\begin{aligned} & (-12) + (-5 - 1 + 6) \\ & = (-12) + (-6 + 6) = -12 \\ & = (-12) + 0 = -12 \end{aligned}$$

k) 
$$\begin{aligned} & (-21 + 0) + (+12 + 7) + (-4 + 2) \\ & = -21 + 22 - 2 = \\ & = +1 - 2 = -1 \end{aligned}$$

l) 
$$\begin{aligned} & (-1004 + 258) + (-789) = \\ & = -746 - 789 = \\ & = -1535 \end{aligned}$$

$$\begin{array}{r} 0991 \\ 1004 \\ -258 \\ \hline -746 \end{array} \rightarrow \text{n\u00famero negativo maior}$$

$$\begin{array}{r} , , \\ -746 \\ -789 \\ \hline 1535 \end{array}$$

02. 10/03  $\rightarrow$  790,00  $\rightarrow + 970$   
 11/03  $\rightarrow$  1760,00  $\rightarrow - 200$   
 12/03  $\rightarrow$  1560,00  $\rightarrow + 260$   
 13/03  $\rightarrow$  1820,00

03. 12/05  $\rightarrow$  800  $\rightarrow - 200$   
 13/05  $\rightarrow$  1000

a) 22/05

b) 03/06

$$\begin{array}{l}
 17/05 \rightarrow 500 \\
 22/05 \rightarrow 950 \\
 02/06 \rightarrow -50 \\
 06/06 \rightarrow 850
 \end{array}
 \begin{array}{l}
 -100 \\
 +450 \\
 -1000 \\
 +900
 \end{array}$$

04.

$$\begin{array}{r}
 59 \overline{) 824} \\
 -16590 \\
 \hline
 43234
 \end{array}
 \quad
 \begin{array}{r}
 43 \overline{) 234} \\
 +15287 \\
 \hline
 58521
 \end{array}$$

R/ 58521

05.

$$\begin{array}{r}
 14 \overline{) 25,99} \\
 -2044,25 \\
 \hline
 12081,74
 \end{array}$$

(A)

06.  $3,7 \cdot 5 = 18,5$  reais  
 $18,5 \rightarrow 24$  bananas  
 $x \rightarrow 1$   
 $24x = 18,5$   
 $x \approx 0,77$

$8 \rightarrow 12$  bananas  
 $x \rightarrow 1$   
 $12x = 8$   
 $x = \frac{8}{12} \approx 0,66$

$0,77 - 0,66 = 0,11$  (A)

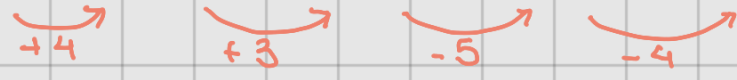
07.  $12 \cdot 6 \cdot 2 = 12 \cdot 12 = 144$

(C)

08.  $450 \cdot 4 = 1800$  minutos  
 $1800 \rightarrow x$  horas  
 $60 \rightarrow 1$   
 $x = \frac{1800}{60} = 30$  horas

(C)

09. 6h 10h 13h 18h 22h 24h  
 1°C 5°C 8°C 3°C -1°C = -1°C



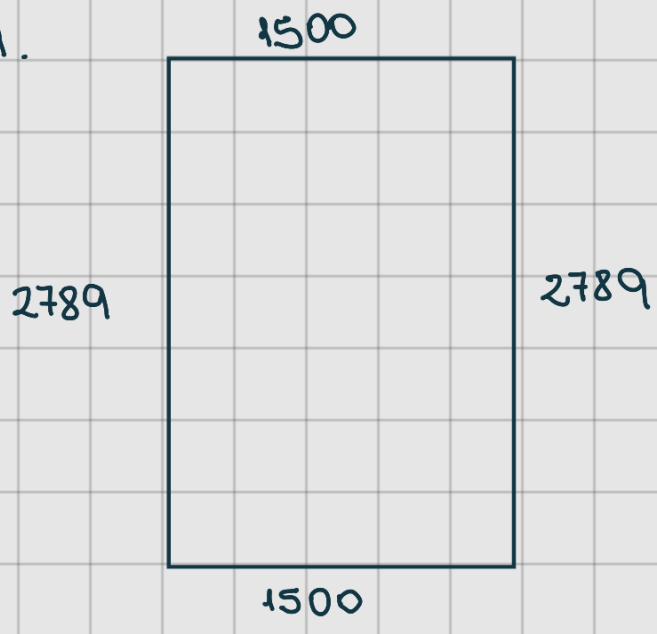
a) -1°C

b)  $8 - (-1) = 9^\circ\text{C}$  de diferença

10.  $290 \cdot 15 = 4350$

(A)

11.



$P = 1500 + 1500 + 2789 + 2789$   
 $P = 8578 \text{ m}$

(C)

- 12.  $1 \cdot 5,20 = 5,20$
- $1 \cdot 10,50 = 10,50$
- $5 \cdot 1,30 = 6,50$
- $1 \cdot 4,80 = 4,80$
- $3 \cdot 3,20 = 9,60$

} TOTAL: 36,60  
 R/ R\$36,60

13.  $6 \cdot 5 \cdot 7 = 210$  litros na semana

(D)

14. + frio

+ quente

20°C 20°C 27°C 27°C

-32°C -30°C -25°C -22°C

(B)

↳ Bulgária

15. a) valor gasto:  $325 + 18,20 = 343,20$

saldo:  $340 - 343,20 = -3,20$

b) metade do Juro:  $\frac{18,20}{2} = 9,10$

valor gasto:  $325 + 9,10 = 334,10$

saldo:  $340 - 334,10 = 5,90$