x = Verbrauch in m^3

y = Gesamtpreis

$\left|\begin{array}{l} y = 5 + 0{,}45x \\ y = 10 + 0{,}25x \end{array}\right|$

$5 + 0{,}45x = 10 + 0{,}25x \quad |-0{,}25x$

$5 + 0{,}2x = 10 \quad |-5$

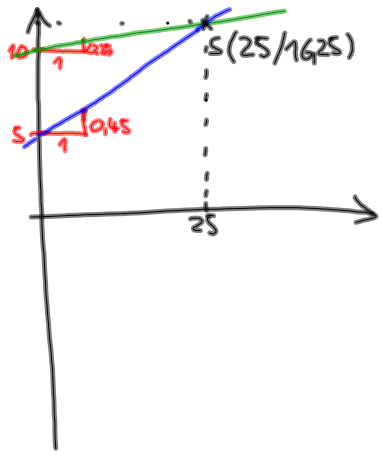
$0{,}2x = 5 \quad |\cdot 5 \ (:0{,}2)$

$x = 25$

in ②: $y = 10 + 0{,}25 \cdot 25$

$= 16{,}25$

Sep 24-07:43



Sep 24-08:09

x = km

y = Gesamtpreis

$\left|\begin{array}{l} y = 180{,}95 + 0{,}12x \\ y = 220{,}90 + 0{,}08x \end{array}\right|$

y = Grundgebühr

x = Preis/km

$\left|\begin{array}{l} 16{,}9 = y + 16x \\ 24{,}10 = y + 24x \end{array}\right| \quad |\cdot(-1)$

$-16{,}9 = -y - 16x$

$24{,}10 = y + 24x$

$7{,}2 = 8x \quad |:8$

$x = 99$

Sep 24-08:15

x = Preis Erw.

y = Preis Kind

$\left|\begin{array}{l} 3x + 2y = 57 \\ 1x + 3y = 44 + 10 \end{array}\right|$

Sep 24-08:40

Nr. 36, 34, 35

→ Gleichungen aufstellen!

→ nur ausrechnen, wenn alle Gleichungen erstellt sind.

Sep 24-08:45

x = Alter von Lena (34a)

y = Alter von Lisa ← jünger

$\left|\begin{array}{l} x + y = 34 \\ y + 6 = x \end{array}\right|$

$y + 6 + y = 34$

$2y + 6 = 34$

$x - y = 6$

$x - 6 = y$

Sep 24-09:00

34b) X = Alter von M.
Y = Alter von J. ← jünger

$$\left|\begin{array}{l} y+24=x \\ 2{,}5y = x \end{array}\right| \quad |\cdot(-1)$$

$$\left|\begin{array}{l} y+24=x \\ 2{,}5y = -x \end{array}\right| \quad |+①$$

$$-1{,}5y + 24 = 0$$

Sep 24-09:08

35
V = Alter des Vaters
S = Alter des Sohns

$$\left|\begin{array}{l} V+S=62 \\ (V-6)=(S-6)\cdot 4 \end{array}\right|$$

$$V-6 = 4S-24 \quad |+6$$

$$V = 4S-18 \quad |-4S$$

$$V-4S=-18$$

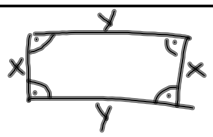
Sep 24-09:15

36
X = Anz. Hu.
Y = Anz. Kan.

$$\left|\begin{array}{l} X+y=35 \\ 2x+4y=94 \end{array}\right| \quad \begin{array}{l} \text{Tiere} \\ \text{Beine} \end{array}$$

Sep 24-08:57

42



$u = 75$

$$\left|\begin{array}{l} 2x+2y=75 \\ x+13=y \end{array}\right| \quad |\cdot(-2)$$

$$\left|\begin{array}{l} 2x+2y=75 \\ -2x-26=-2y \end{array}\right| \quad |+2y \quad |+26$$

$$\left|\begin{array}{l} 2x+2y=75 \\ -2x+2y=26 \end{array}\right| \quad |+①$$

$$4y = 101 \quad |:4$$

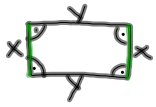
$$y = 25{,}25$$

$$x = 12{,}25$$

$$A = x \cdot y = 309{,}3125$$

Sep 27-07:56

43



$u = 60$

$$\left|\begin{array}{l} 2x+2y=60 \\ 2x = y \end{array}\right| \quad |\cdot(-1)$$

$$\left|\begin{array}{l} 2x+2y=60 \\ -2x = -y \end{array}\right| \quad |+y$$

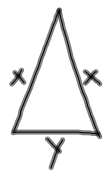
$$\left|\begin{array}{l} 2x+2y=60 \\ -2x+y=0 \end{array}\right|$$

$\vdots$

~~$x \cdot 2 = y \quad |\cdot(-2)$~~
~~$-2x \cdot 4 = -2y$~~

Sep 27-08:07

44



$u = 40$

$$\left|\begin{array}{l} y+5=x \\ y+2x=40 \end{array}\right|$$

Sep 27-08:07