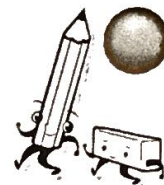


p - pens c - pencils

3. Lance and Daemon took a trip to Staples for school supplies. Lance bought 4 pens and 5 pencils, which cost him \$6.71 before tax. Daemon bought 5 pens and 3 pencils, which cost him \$7.12 before tax. Find the price of a pen and the price of a pencil.



$$\begin{array}{r} 5(4p + 5c = 6.71) \\ -4(5p + 3c = 7.12) \end{array}$$

4. A mix of 12 quarters and nickels together are worth \$1.20. How many quarters and nickels do you have?



$$\begin{array}{r} q + n = 12 \\ .25q + .05n = 1.20 \end{array}$$

* 5. At Jason's baseball game, tickets cost \$4 for adults and \$2 for students. If there were a total of 94 people at the game and the ticket revenues were \$294, how many students and how many adults attended?

a- adults	# of	4a	+ 2s	= 294	(money equation)
s- students	people	-2	(a + s = 94)	= 94	
				-2a - 2s = -188	
				<u>2a</u>	= <u>106</u>
					<u>2</u>
				a = 53	

↑	53 + s = 94	
	- 53	- 53
	s = 41	

53 adults and 41 students attended the ^{base}baseball game.

* 6. The difference of two numbers is 40. Their sum is 66. Find the numbers.



$$\begin{array}{r} x - y = 40 \\ x + y = 66 \\ \hline 2x = 106 \\ \hline x = 53 \end{array}$$

$$\begin{array}{r} 53 + y = 66 \\ - 53 \quad - 53 \\ \hline y = 13 \end{array}$$

The two numbers are 53 and 13.