

THE CHORES OF ELM STREET

Five Wives (one is named Fran) and their husbands (one of whom is named Stan) all live on Elm Street. Each wife sends their husband on an errand (one to get milk), on a specific day of the week (Mon-Fri). From the clues below can you determine which woman is married to which man, which task she assigned her spouse, on which day?

CLUES:

No spouses' names begin with the same first letter.

Adriana is not married to either Stan, or Tony, and she did not assign her husband the chore of mending fences.

Maxine is married to Adam, who gets the eggs on Thursdays.

Carla is married to either Mark or Bob and sends her husband to Market before Nancy's spouse is assigned his chore.

Fran's husband's chore is performed on Monday, she is not married to the one who buys the milk.

Bob's chore is performed earlier in the week than at least 3 others, while Stan mends the fences later in the week than 2 others.

No one is assigned to go to the Market on Tuesday.

Either Stan is married to Fran, or Bob buys milk on Tuesdays.

CHORES	mon	tue	wed	thu	fri	adam	bob	mark	stan	tony	milk	market	corn	mend	eggs
adriana															
carla															
fran															
nancy															
maxine															
milk															
market															
corn															
mend															
eggs															
adam															
bob															
mark															
stan															
tony															

(SEE NEXT PAGE FOR DETAILED SOLUTIONS)

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Adriana-Tue-Bob-Milk.
Carla-Wed-Mark-Market
Fran-Mon-Tony-Corn.
Nancy-Fri-Stan-Mend.
Maxine-Thu-Adam-Eggs.

step-by-step

Lets look at the first clue "No spouses names begin with the same first letter ." Locate those spouses , namely: 'Adriana-Adam' and 'Maxine-Mark' and Eliminate their grid squares [**Adriana-Adam, Maxine-Mark**].

•Lets look at the next clue "**Adriana is not married to either Stan, or Tony, and she did not assign her husband the chore of mending fences.**" Simply locate and eliminate the following grid squares: [**Adriana-Stan, Adriana-Tony, Adriana-Mend**].

•Clue "**Maxine is married to Adam ,who gets the Eggs on Thursdays.**" This will allow us to add 'green boxes' to the following grid squares:

[**Maxine-Thu, Maxine-Adam, Maxine-Eggs, Eggs-Thu, Eggs-Adam, Adam-Thu**],

which allows, in turn, a slew of eliminations, including :
(1)'ALL OTHER squares' in **Maxine's row**, (2) 'All OTHER squares' in **THU Column**, (3)'All other squares' in the **EGGS row**, (4) 'All other squares' in **Adam's row, and Adam's column**, and finally, (5) 'All other squares' in the **Egg's column**.

•Our next clue is "**Carla is married to either Mark or Bob and sends her husband to Market before Nancy's spouse is assigned his chore .**"

"Carla is married to..." logically implies that she **is not** married to either Stan or Tony,

•therefore eliminate grid squares [**Carla-Stan, Carla-Tony**],

•and sends her husband(either Bob , or Mark) to "**MARKET**" ; so go ahead and add a green box to [**Carla-Market**] and eliminate "ALL OTHER" squares in the **Market Column**.

The last part of the clue (**"before Nancy's...."**), further implies Carla's husband did not perform a chore on Friday, (go ahead and eliminate grid squares [**Carla-Friday, Market-Friday**]), which also eliminates Nancy from Monday, since no chore can be completed prior to that day(eliminate [**Nancy-Mon**]).

•Our next clue is "**Frans husband's chore is performed on Monday, she is not married to the one who buys the Milk ."**

Start by selecting a 'green box ' for the grid [**Fran-Mon**], and eliminate '**all other**' days for Fran(tue, wed, and fri) as well as, grid squares: [**Adriana-Mon, Carla-Mon, Nancy-Mon**].

Next we can also eliminate [**Fran-Milk, Milk-Mon, Market-Mon**] because "**..she is not married to the onebuys milk"**

•"**Bob's chore is performed earlier in the week than at least 3 others, while Stan mends the fences later in the week than 2 other."**

Bob's clue means he **cannot** perform chores on Thursday or Friday, so eliminate grid squares: [**Bob-Thu, Bob-Fri, Bob-Mend**].

Stan by comparison, **cannot** perform his **mending** chore on either Monday or Tuesday, therefore eliminate these grid squares: [**Stan-Mon, Stan-Tue, Mend-Mon, Mend-Tue**]

NOTE: Now some other logical eliminations arise because we can see that:

Fran's chore was Monday, therefore Fran's spouse **cannot** be Stan, or the one who mends fences, (eliminate these grid squares now : [**Fran-Stan, Fran-Mend** ,], which , in turn , reveals some other grid square clues: ,[**Corn-Mon, Fran-Corn** ,] - (each receiving a 'green box') and leads to yet more eliminations: [**Adriana-Corn, Carla-Corn, Nancy-Corn**], as well as [**Corn-Tue, Corn-Wed, Corn-Fri, Corn-Stan**],

which allows us to complete the chore list: [**Nancy-Mend, Adriana-Milk**].

• "**No one one is assigned to go to the Market on Tuesday.**"

Not much to do here except make the grid square elimination:
[**Market-Tue**].

But wait, this also reveals the only possible remaining day for Market, (**Wednesday**), which reveals grid squares to be filled in with 'green boxes' as [**Mend-Fri, Milk-Tue**], (which in turn yields the following logical conclusions):

Carla-Wed-Market,
Adriana-Milk-Tue,
Nancy-Thu-mend.

• Our last clue is "**Either Stan is married to Fran or Bob buys milk on tuesdays.**"

To begin with we have already eliminated Stan-Fran, thus the only true statement here is "**Bob buys Milk on Tuesdays**", which since it is true, then Bob can only be the **spouse of Adriana**, and **Bob purchases the Milk**.

This leads to Carla's spouse being **Mark** (which can only mean Mark is the one who goes to **Market**), which can only mean: **Stan must be mending fences on Friday** (and therefore, **Stan must be the spouse of Nancy**), which leaves the only spouse available for Fran, (that being **Tony**), who since he is Fran's spouse, must be the one who gathers the **Corn on Monday**.

• Congratulations! Puzzle solved. To summarize:

Adriana's spouse, **Bob's** chore is performed on **Tuesday** is to buy **Milk**.

Carla's spouse, **Mark's** chore is performed on **Wednesday** is to go to **Market**.

Fran's spouse, **Tony's** chore is performed on **Monday** is to buy **Corn**.

Nancy's spouse, **Stan's** chore is performed on **Friday** is to **Mend fences**.

Maxine's spouse, **Adam's** chore is performed on **Thursday**, is to buy **Eggs**.