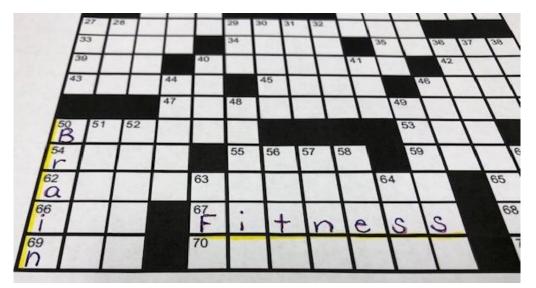
MultiCare Calebrate Seniority

Brain Fitness Program

Pillar 1



Engage Your Brain

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A free membership program for people 55 and better, promoting healthy aging through education, social activities and volunteerism.

Welcome to the Celebrate Seniority at-home Brain Fitness program.

This program is based on the six pillars of brain health and will help support those interested in understanding their brain health and challenging themselves.

Each packet will focus on one of the following pillars of brain health (modeled after Healthy Brains by Cleveland Clinic):

- 1. Engage your brain
- 2. Connect with others
- 3. Adopt a healthy diet
- 4. Exercise regularly
- 5. Get refreshing sleep
- 6. Reduce stress and maintain a healthy blood pressure level

Each packet will include stimulating puzzles with answers, activities, pillar specific information and additional resources. To download additional packets and watch related videos, visit **mulitcare.org/volunteers/celebrate-seniority/.**

Brain Fitness Team:

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Brain Health Pillar 1: Engage Your Brain

The Main Idea - your brain needs mental exercise to be fit, just like muscles. This means doing something challenging and different than your normal routine. To help your brain create new neuron paths, you need to work at exercising your brain for eight hours a week for six weeks with increased difficulty.

In this packet there are puzzles and other suggestions to engage your brain.

A few examples of daily activities that can challenge our brain include:

- Drive a new route to common destinations
- Brush your teeth with your non-dominate hand
- Memorize something you do not have memorized
- Wear your watch upside down

A few examples of challenging workouts for your brain beyond puzzles:

- Learn about bird identification We suggest looking up online (and smart phone app) EBird.com. You can share your sightings, learn information attracting birds and much more.
- Learn to crochet or knit Always ask a friend, but we have learned by watching YouTube videos.
- Learn a new line dance A fun easy source online is LearntoDance.com
- Learn a new foreign language or refresh an old one you knew long ago.

Debunking Myths About the Aging Brain

7 FACTS ABOUT YOUR BRAIN

MYTH



FACT

Global Council on Brain Health Engage your Brain: GCBH Recommendations on Cognitively Stimulating Activities; *GlobalCouncilonBrainHealth.org* · Contact: GCBH@aarp.org Formore brain health tips see *stayingsharp.org* D20350

Healthy Aging Requires You To Challenge Your Brain

Don't let age limit you. You have the ability to change your brain at any age.





Engage your Brain: GCBH Recommendations on Cognitively-Stimulating Activities; *GlobalCouncilonBrainHealth.org*.Contact: GCBH@aarp.org For more brain health tips see *stayingsharp.org* DOI: https://doi.org/10.26419/pia.00001.002

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Your Choice	Verbs	4-Letter Words	Things Associated with a Hotel	Plants	Two-Syllable Words	14 . A	
						Т	Fill in le
						R	Tra the boxes with w tters in TRAIL. Ac
						A	Trail Categories with words or terms that begin v AlL. Add your own category in t
							Trail Categories Fill in the boxes with words or terms that begin with each of the letters in TRAIL. Add your own category in the last row.
						L	of the /.

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The Rules of Sudoku

- 1. Every row, column, and 3x3 box must contain each number (1 to 9) exactly once.
- 2. The sum of all numbers in any 3x3 box, row, or column must match the small number printed in its corner. For traditional Sudoku puzzles featuring the numbers 1 to 9, this sum is equal to 45.

This is an important point to review as it isn't uncommon for inexperienced players to get frustrated and to abandon the techniques we will lay out below. Don't do it! In order to solve Sudoku puzzles reliably, you must be disciplined, focused, and patient.

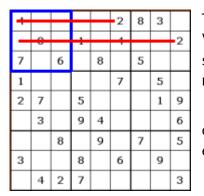
How to Solve Sudoku Puzzles

There are three main sudoku solving techniques that can be used to solve a Sudoku puzzle; Counting, Crosshatching and Penciling In. These techniques are simple, straightforward, reliable, and sufficient in solving most standard Sudoku puzzles.

It is important to understand that all Sudoku puzzles require a mathematical approach. Except for in the case of the simplest puzzles, players will have to visit each 3x3 box more than one time. Fortunately, each successive application of the solution techniques yields more completed cells.

1) Counting

In counting you simply count 1-9 in a row, column and region that connects to one cell. If there is just one number missing, then that's what should be in the cell.



2) Crosshatching

To begin with we will want to use the Crosshatching technique. With this technique, a player considers a single nonet (a single 3×3 square) and attempts to fill in empty cells based on the fact that a number can only appear once in any row or column.

By looking across each row and down each column, we can determine if a number can or cannot go in a cell. Let's look at an example to help illustrate the Crosshatching technique.

3) Penciling In

	4		8		2		1	
	3						2	
2		•		7				4
7	1	3.8 89		4			9	2
6	35 BN	38						1
4	2	38 89		8		/	3	6
1				5				3
	9	2		,			4	
	8		6		4		7	

Penciling in possible solutions for empty squares becomes crucial as sudoku puzzles get harder. But you're not guessing when you pencil in. You're simply listing the possible solutions.

Now you can try one of these techniques on the Sudoku puzzle on the next page.

Sudoku

Fill in the grid so that all nine columns down, all nine rows across, and all nine 3-by-3 boxes contain the numbers 1 through 9. A number appears in each column, row, or box only once.

	4	5		1	7		2	
	2		3			1		
		1				3	7	4
		9			3	5	8	
1		2	5	8		4	3	7
		8	7		6	9		
	1		4	7	2			5
		7				2		
	5	4	6					1



Find the answers on Page # 13

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Try This

Standing Balance Ball Toss

Best for hand-eye coordination.

Start by keeping both feet on the floor. (For a challenge balance on one leg with the opposite leg lifted at 90 degrees at the hip and knee, like taking a step up.)

Use a tennis ball, Pilates ball or a soft medicine ball and toss the ball into the opposite hand. The eyes should follow the ball. Then switch legs and toss the ball to your opposite hand.

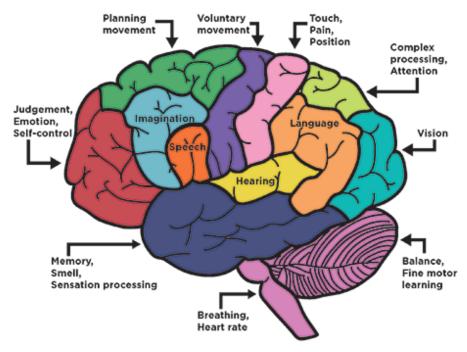
Repeat a total of 10 times, daily.

Why Try This?

When you perform even a simple movement, it involves a huge amount of activity in the brain. Even something as simple as catching a ball requires you to plan the movement, decide to act, calculate speed, weight and trajectory, identify the position of your body in space and more – all in a fraction of a second.

The **cerebellum** is at the back of the brain, below the <u>cerebrum</u>. It controls balance, movement, and coordination (how your muscles work together). Because of your cerebellum, you can stand upright, keep your

balance, and move around.



Word Web

Use the letters in the spider web to create words. Each word must contain the letter in the center of the web.



Find 1 seven-lettered word	Find 1 six-lettered word
Find 3 five-lettered words	Find 7 four-lettered words
Find 8 three-lettered words	
	-
	-

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Your Choice	4-Letter Words Verbs		Things Associated with a Hotel	Plants	Two-Syllable Words	
	throw tickle trim	task tire tuba	towel twin bed table	tulip tobacco trillium	thirteen Thursday tiger	-1
	reach remove ride	roam root raid	room reservation restaurant	rose radish rhododendron	river rainbow rabbit	R
	ask arrange answer	arid aqua also	amenities armchair alarm	amaryllis aloe vera azalea	about again amber	A
	inspire ignore itch	icon into item	indoor pool ice machine internet	iris ivy impatiens	inlet iron Irish	
	lock leave laugh	list Iead Ioop	lobby linens luggage	lily lavender larkspur	loving lady London	—

Trail Categories

Sudoku

(solution)

3	4	5	8	1	7	6	2	9
7	2	6	З	9	4	1	5	8
8	9	1	2	6	5	З	7	4
4	7	9	1	2	3	5	8	6
1	6	2	5	8	9	4	3	7
5	3	8	7	4	6	9	1	2
9	1	3	4	7	2	8	6	5
6	8	7	9	5	1	2	4	3
2	5	4	6	3	8	7	9	1

Word Web

(solution)



Find 1 seven-lettered word	Find 1 six-lettered word			
tractor	carrot			
Find 3 five-lettered words	Find 7 four-lettered words			
actor	cart			
tract	taro			
tarot	coat			
	taco			
Find 8 three-lettered words	tart			
act	roar			
oat	tact			
tar				
arc				
car				
tat				
art				
rat				

Give yourself a bonus for finding any words that are not on the list. Email your core, first name, and city to <u>celebrateseniority@multicare.org</u> – top 10 finishers will be published.