

Keep your Mind Active



Here is a brain teaser whose aim is to stimulate the connections or associations between words in your temporal lobe. You will see pairs of words, and your goal is to find a third word that is connected or associated with both of these two words.

For example, the first pair is **PIANO** and **LOCK**. The answer is **KEY**. The word key is connected with both the word piano and the word lock: there are KEYS on a piano and you use a Key to lock doors. Key is what is called a homograph: a word that has more than one meaning but is always spelled the same.

1. LOCK - PIANO
2. SHIP - CARD
3. TREE - CAR
4. SCHOOL - EYE
5. PILLOW - COURT
6. RIVER - MONEY
7. BED - PAPER
8. ARMY - WATER
9. TENNIS - NOISE
10. EGYPTIAN - MOTHER
11. SMOKER - PLUMBER

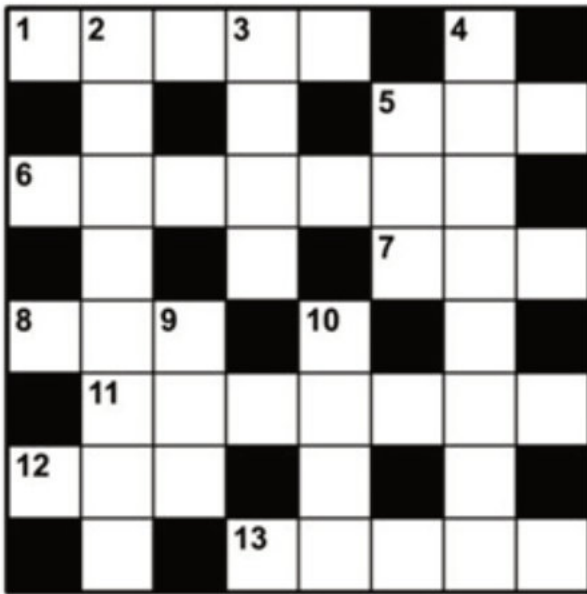
All answers on back page



Let's try this fun experiment - You will watch a brief video clip, and your challenge is to:

Count how many times that the players wearing white, pass the basketball <https://youtu.be/vJG698U2Mvo>

Crossword Puzzle



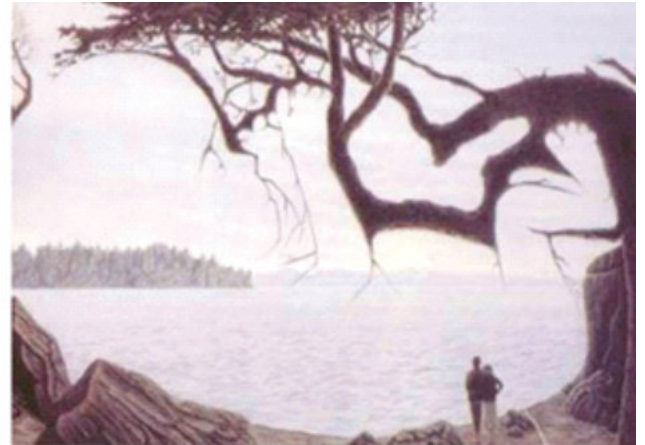
Across

- 1 Mini, midi or maxi
5 Repair
6 Winter sculpture
7 Affirmative action
8 Part of some uniforms
11 Musical performance
12 Prince, to a king
13 Narrative

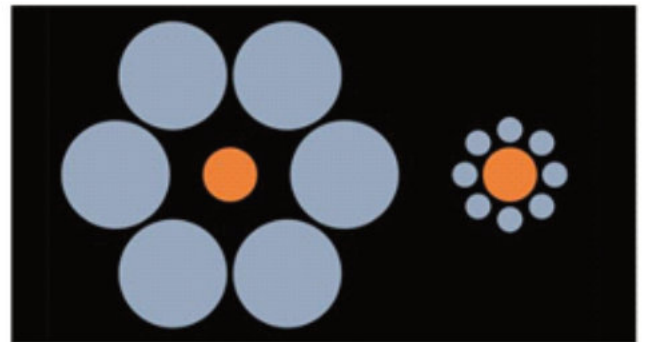
Down

- 2 Wallaby or boongary
3 Column crossers
4 Jurassic beast
5 Stadiumgoer
9 Ballpoint, e.g.
10 Present

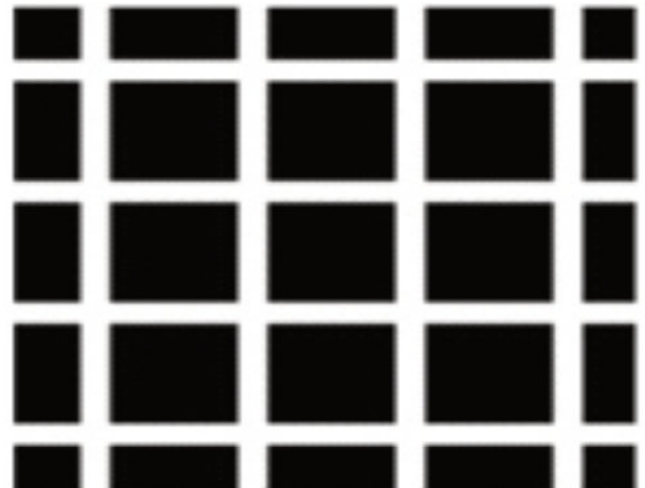
1. Where is that couple's baby?



2. Are those two orange circles of the same size or not?



3. Is it all black and white, or are there grey dots below, at the intersections?



Ready to test your mental vitality and flexibility?

Quick - say aloud what colour you see in every word, NOT the word you read.

Go from left to right, from top to down.
Ready. Set. Go!

red white green brown
green red brown white
white brown green red
red white green brown
brown green white red
white brown red green
green white brown red
red brown green white

Ding-Bats?

Example: Number 1 is SandBox

INTERPRET THE FOLLOWING:

1 SAND	2 MAN BOARD	3 STAND I	4 READING
5 WEAR LONG	6 ROADS AD S	7 T OWN	8 CYCLE CYCLE CYCLE
9 LE VEL	10 O M.D. PH.D. B.S.	11 KNEE LIGHTS	12 III I OO
13 CHAIR	14 DICE DICE	15 TOUCH	16 GROUND FEET FEET FEET FEET FEET
17 MIND MATTER	18 HE'S/HIMSELF	19 ECNALG	20 DEATH/LIFE
21 G.I. C C C C C	22 PROGRAM	23 C	24 YOU JUST ME

Here are a few quick brain teasers to exercise your aCenCôn, the ability to keep informaCôn in your mind while manipulaCng mulCple units of informaCôn at the same Cme.

Given them a try ... they are not as easy as they may seem ☐☐

1. Say the days of the week backwards, then in alphabeÇcal order.

2. Say the months of the year in alphabeÇcal order. Easy? Well, why doing it backwards, in reverse alphabeÇcal order.

3. Find the sum of your date of birth, mm/dd/yyyy. Want a tougher mind teaser? Do the same with your best friend's date of birth

4. Name two objects for every leE er in your first name. Work up to five objects, trying to use different items each Cme.

5. Look around you, wherever you are, and, within two minutes, try to find 5 red things that will fit in your pockets, and 5 blue objects that are too big to fit.

Riddles:

1. I am not alive, but I grow; I don't have lungs, but I need air; I don't have a mouth, but water kills me. What am I?
2. What 4-letter word can be written forward, backward or upside down, and can be read from left to right?
3. What runs around the wehole yard without moving?
4. What can you catch but never throw?

SUDOKU

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

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

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

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

ANSWERS AND EXPLANATIONS**1. Can you see that couple's baby?**

You should be able to see a couple, a large tree...and an even larger baby, facing upwards.

This is a great example of an illusory contour. The baby's head is on the left, the baby's feet are against the trunk of the tree on the right.

2. The Ebbinghaus Illusion

The two orange circles are exactly the same size, even though the one on the left *seems* much smaller. The size distortion is caused by the size of the surrounding circles and their distance to the center circle.

3. Hermann Grid Illusion

There are not grey dots in this grid. However, probably you perceive some ghostlike gray blobs at the intersections of the white lines - incredibly those gray dots disappear when you look directly at them.

Riddles Answers: 1. Fire 2. Noon 3. Fence 4. A Cold

SOLUTIONS

1. LOCK - PIANO > **Key**
2. SHIP - CARD > **Deck**
3. TREE - CAR > **Trunk**
4. SCHOOL - EYE > **Pupil**
(exam and Private also possible)
5. PILLOW - COURT > **Case**
6. RIVER - MONEY > **Bank** (Flow is also possible)
7. BED - PAPER > **Sheet**
8. ARMY - WATER > **Tank**
9. TENNIS - NOISE > **Racket**
10. EGYPTIAN - MOTHER > **Mummy**
11. SMOKER - PLUMBER > **Pipe**

S	K	I	R	T	D
A	O	F	I	X	
S	N	O	W	M	A
G	S		N	O	D
C	A	P	G		S
R	E	C	I	T	A
S	O	N		F	U
O		S	T	O	R

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

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

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

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

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