FREE PRINTABLE · 6 BRAIN GAMES · ANSWER KEY ON PAGE 5

Sharp Mind on Paper

Fifteen quiet minutes, no screen

Memory, focus, logic, numbers, spatial and words: one page of each kind of thinking.

How to use this pack

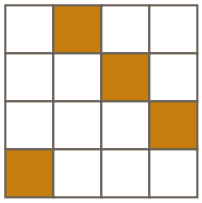
- Print pages 1 to 4. Keep page 5 (answers) face down or fold it away.
- Do one game or all six. Untimed is fine; if you like a clock, note your time in the margin and compare next week.
- Mark the ones that felt hard. Those are the ones worth repeating, not avoiding.
- These puzzles are for fun and practice. They are not a test of memory, intelligence or health.

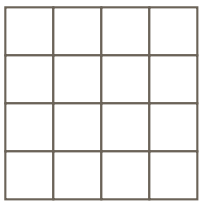
GAME 1 · MEMORY

Pattern Recall

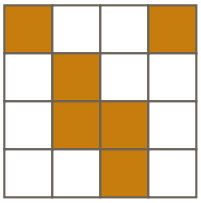
Study one shaded grid for 10 seconds, cover it with a sheet of paper, then shade the same squares in the empty grid below it. Three grids, harder each time.

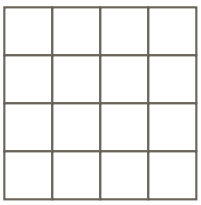
Grid 1 · 4 squares



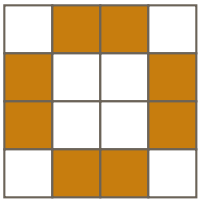


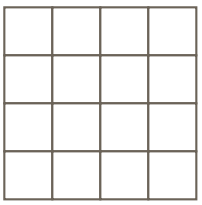
Grid 2 · 6 squares





Grid 3 · 8 squares





GAME 2 · LOGIC

Rule Chain

Find the rule behind each sequence and write the next number.

1. 4, 7, 10, 13, _____

2. 2, 6, 18, 54, _____

3. 1, 4, 9, 16, 25, _____

4. 3, 4, 7, 11, 18, _____

5. 50, 47, 41, 32, _____

6. 2, 3, 5, 9, 17, _____

7. 81, 27, 9, 3, _____

8. 1, 2, 6, 24, 120, _____

GAME 3 · NUMBERS

Real Numbers

Everyday money and time sums. Work them out in your head first, then write the answer.

1. Coffee $3.40 and a muffin $2.85. Change from a $10 bill? _____
2. The bus leaves at 10:47 and the ride takes 38 minutes. When do you arrive? _____
3. Three items at $1.99 each. Total? _____
4. A film starts at 7:15 pm and runs 2 h 20 min. When does it end? _____
5. A $24 lunch and a 15% tip. How much is the tip? _____
6. Groceries: $18.60 + $7.45 + $3.95. Total? _____
7. You park at 1:50 pm with a 95-minute ticket. When does it run out? _____
8. 2.5 kg of apples at $2.40 per kg? _____

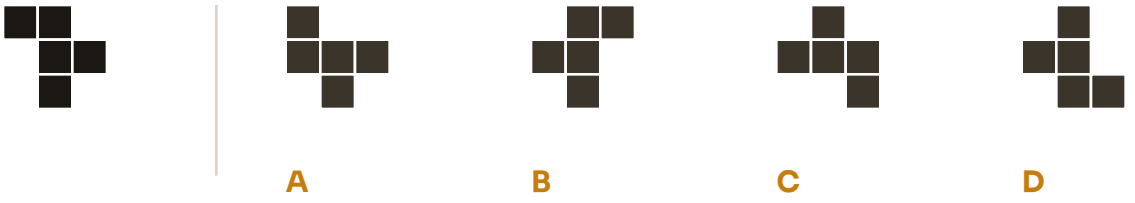
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GAME 4 · SPATIAL

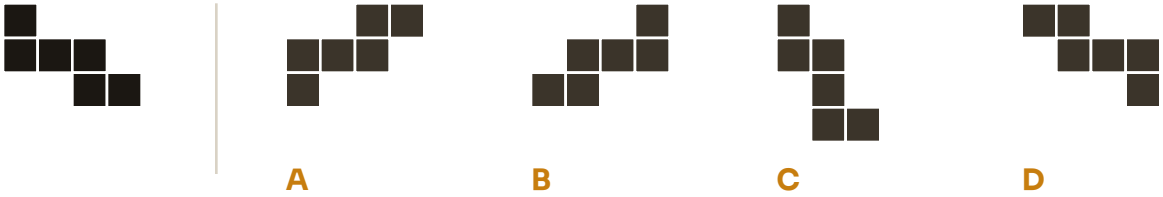
Rotation Match

Which option is the shape on the left turned, not flipped? Exactly one is a rotation; the other three are mirror images.

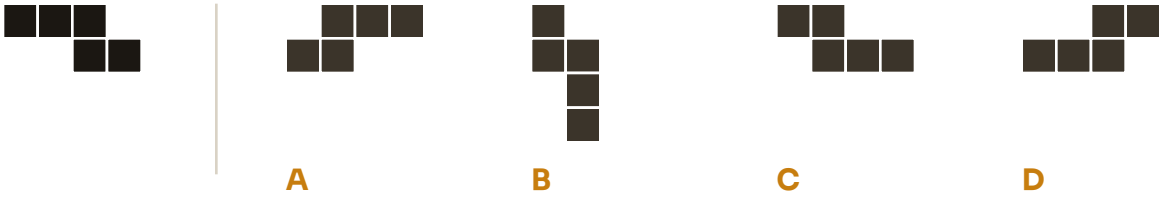
1.



2.



3.



GAME 5 · FOCUS

Signal Sort

Apply the rule along the stream from left to right without losing your place. Count the hits and write the total.

Stream A. Circle every number that is bigger than the number just before it.

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

Hits: _____

Stream B. Circle every vowel (A E I O U) that comes right after a consonant.

T A K E M E O U T T O T H E B A L L G A M E A N D B A C K A G A I N

Hits: _____

GAME 6 · LANGUAGE

Word Bridge

Part A: unscramble each word, using the hint. Part B: circle the odd one out and say why.

1. P H A N T E L E (an animal) _____

2. L U M B E R A L (for rain) _____

3. K N A B L E T (on a bed) _____

4. P I N K U M P (autumn vegetable) _____

5. D O Y H A I L (time off) _____

6. B Y C C L I E (two wheels) _____

1 **Oak, Maple, Tulip, Birch** _____

2 **Violin, Cello, Trumpet, Viola** _____

3 **Mercury, Venus, Moon, Mars** _____

4 **Paris, Madrid, Sydney, Rome** _____

Want a new set tomorrow?

Cognilo is a free iPhone and iPad puzzle game with the same six kinds of thinking: a Daily 5 of short, untimed puzzles set to your level, about six minutes a day. No account, no ads. Search "Cognilo" on the App Store.

ANSWER KEY

Answers

Check after you finish. If you got one wrong, the rule is the useful part: read it, then try the puzzle again next week.

Rule Chain

1. 16 (+3 each time)
2. 162 (x3 each time)
3. 36 (square numbers)
4. 29 (add the two before)
5. 20 (-3, -6, -9, -12)
6. 33 (double, then -1)
7. 1 (÷3 each time)
8. 720 (x2, x3, x4, x5, x6)

Real Numbers

1. $3.75
2. 11:25
3. $5.97
4. 9:35 pm
5. $3.60
6. $30.00
7. 3:25 pm
8. $6.00

Rotation Match

1. D 2. D 3. C

Signal Sort

Stream A: 15 hits. Stream B: 11 hits.

Word Bridge

1. ELEPHANT 2. UMBRELLA 3. BLANKET 4. PUMPKIN 5. HOLIDAY 6. BICYCLE

1. Tulip (the others are trees)
2. Trumpet (the others have strings)
3. Moon (the others are planets)
4. Sydney (the others are capital cities)

Pattern Recall

Compare your shaded grid with the original. Any square in the right place counts; most people find grid 3 hard, and that is normal.

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