|  |  |  |  |  |  | 6 |  | 3 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  | 9 |  | 1 |  |
|  |  |  | 3 | 2 | 4 |  | 9 |  |
|  |  | 5 |  |  | 8 | 2 | 6 |  |
|  |  | 1 |  |  |  | 5 |  | 9 |
|  | 7 | 2 | 9 |  |  | 4 |  |  |
| 3 |  |  | 4 | 1 | 7 |  |  |  |
|  | 8 | 4 | 2 |  |  |  | 7 |  |
| 5 |  |  |  | 8 |  |  |  |  |

Difficult No 14,947

|  |  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | 5 |  | 8 |  | 9 |  | 3 |  |
| 7 | 3 | 9 |  |  | 2 | 1 | 8 |  |
| 9 |  |  | 4 |  | 8 |  |  | 5 |
|  |  | 1 |  |  |  | 6 |  |  |
|  |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  | 1 |
|  | 6 | 8 |  |  | 3 | 7 |  |  |
| 5 |  | 3 | 6 |  | 1 | 4 |  | 2 |


|  |  | 4 |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 3 |  | 9 | 5 |  | 7 |  |  |  |
|  | 7 |  |  |  | 4 | 3 |  |  |
| 4 | 1 |  | 2 |  |  | 7 | 9 |  |
|  | 5 |  |  |  |  |  |  |  |
|  |  |  | 6 |  | 9 |  | 5 |  |
|  |  |  |  |  |  |  | 7 | 2 |
|  |  |  |  | 5 | 3 | 4 |  |  |
|  |  |  |  |  | 8 |  | 6 |  |

Cluelines Stuck on Sudoku, Killer or KenKen? Call 0901293 6263 before midnight to receive four clues for any of today's puzzles. Calls cost $£ 1$ plus your telephone company’s network access charge. SP: Spoke, 03332023390 (Mon-Fri 9am-5.30pm).

The Times Quick Cryptic No 2687 by Oink


## Across

1 Delightful lake in rustic surroundings (8)
6 Old-time chap from Scotland chosen, did you say? (4)
8 Choose to make U-turn, concealing company's last mistake (4)
9 A German mug? On the contrary (8)
10 Coach's posture (8)
12 Sign submarine captain will return (4)
13 Women I allowed to retain a servant (6)
15 Drawing of small boat (6)
17 No Rolling Stone will have such a hanger-on (4)
19 Remedy almost certain to produce riches (8)
21 Obscure travelling salesmen (8)

23 Country I was the leader of (4)
24 As drunk as this, went mad? (4)

25 Revolutionary art and poetry making you cross (8)

## Down

2 Expose what nudists did on beach? $(3,4)$
3 Some in LA mourned this secret love affair (5)
4 Man, not married, drinking this in boozer? (3)
5 Teens seen running wild in US state (9)
6 Everyone steering clear of this drug den (7)
7 Took refuge in church, getting rebuke (5)
11 Your share of vegetable patch? (9)

14 Test cricket perhaps absorbing papa (7)
16 Vehicle about to go over animal's remains (7)
18 Hold forth in Old English about traitor (5)
20 Wretched chap, one interrupting news broadcast (5)
22 Outspoken Pole in Bath perhaps (3)

## Suko No 4127



Place the numbers 1 to 9 in the spaces so that the number in each circle is equal to the sum of the four surrounding spaces, and each colour total is correct

## Train Tracks No 2255



Lay tracks to enable the train to travel from village A to village B. The numbers indicate how many sections of track go in each row and column. There are only straight sections and curved sections. The track cannot cross itself.

## Word watch David Parfitt

## Locofoco

a A musical instruction to play with intensity $\underset{\text { fire }}{\mathbf{b}}$ A match for starting a fire
c An actor's understudy

## Lithodomous

a Of a very light
metallic element
b Living in rock
c Loose-limbed

## Daddock

a The heart of a rotten tree
b A Scottish oatmeal
cake
c A cushion on which to kneel

Tetonor Easy No 469

| 270 | 13 | 175 | 32 |
| :---: | :---: | :---: | :---: |
| 26 | 100 | 54 | 88 |
| 2 | 0 |  |  |
| 112 | 23 | 220 | 42 |
| 10 | 245 | 33 | 59 |
| 40 |  |  |  |


| 4 | 4 | 4 |  | 7 | 7 | 7 |  | 15 | 16 | 18 | 22 |  | 35 |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

When complete, the strip below the grid can be split into eight pairs of numbers. Adding the numbers in a pair gives one of the 16 numbers in the grid. Multiplying them gives a different number in the grid. For example, a 4 and 6 in the strip could be paired to make $10(4+6)$ and 24 (4x6) in the grid. Enter each sum below the corresponding number in the grid. The blanks in the strip must be deduced, bearing in mind the numbers are listed in ascending order.
The next Tetonor puzzle will appear on Thursday


White to play and mate in two. This is the starter puzzle for the Winton British Chess Solving Championship 2024-25. White is to mate in two. There is no entry fee. Competitors (British residents only) need send only the first move. Email
winton@theproblemist.org, no later than July 31, giving name and address. Juniors under 18 on August 31, 2023 must give date of birth. Successful entrants receive the postal round. Please mention you are entering via The Times.

## Codeword No 5226



ABCDEFGH II JKLMXXPQRSXUVWXYZ

| 1 | ${ }^{2}$ | 3 | $\mathbf{O}$ | ${ }^{4} \mathbf{N}$ | $\mathbf{T}^{5}$ | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 13 |  |  |  |  |  |  |  |  |  |  |  |  |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 |

Every letter in this crossword-style grid is represented by a number from 1 to 26. Each letter of the alphabet appears in the grid at least once. Use the letters already provided to work out the identity of further letters. Enter letters in the main grid and the smaller reference grid until all 26 letters of the alphabet have been accounted for. Proper nouns are excluded. Yesterday's solution, right

Cluelines Stuck on Codeword? To receive 4 random clues call 09012936262 or text TIMECODE to 64343 . Calls cost $£ 1$ plus your telephone company's network access charge. Texts cost $£ 1$ plus your standard network charge. For the full solution call 09057570142 . Calls cost $£ 1$ per minute plus your telephone company's network access charge. SP: Spoke, 03332023390 (Mon-Fri, 9am-5.30pm).


Slide the letters either horizontally or vertically back into the grid to produce a completed crossword. Letters are allowed to slide over other letters

## times2 Crossword № 9542



## Across

1 Went around, avoided (8)
5 House's entrance area (4)
9 Echo, reverberate (7)
10 Strong dislike (5)
11 Aria or anthem, eg (4)
12 Thug (7)
14 Hurry, hustle (6)
16 One partaking in a game (6)

## Solution to Crossword 9541



19 Present for acceptance (7)
21 Eden inhabitant (4)
24 Long-distance walker (5)
25 Writhe, squirm (7)
26 Light in colour (4)
27 Grace, style (8)

## Down

1 Avian creature (4)
2 Basil and pine nut sauce (5)
3 Illegally convey goods (7)
4 Put up with, bear (6)
6 Nimbleness, suppleness (7)
7 Eminent figure (8)
8 Dog's wild ancestor (4)
13 Fried food outlet $(4,4)$
15 Swimmer's breathing tube (7)
17 In first place (7)
18 Plastering implement (6)
20 Discharge (a gun) (4)
22 Noble gas (5)
23 "Venerable" Dark Ages monk and scholar (4)

Need help with today's puzzle? Call 09057570143 to check the answers. Calls cost $£ 1$ per minute plus your telephone company's network access charge. SP: Spoke, 03332023390 (Mon-Fri 9am-5.30pm).

KenKen Medium No 6218


All the digits 1 to 6 must appear in every row and column. In each thick-line "block", the target number in the top left-hand corner is calculated from the digits in all the cells in the block, using the operation indicated by the symbol.

## Futoshiki No 4766



Fill the blank squares so that every row and column contains each of the numbers 1 to 5 once only. The symbols between the squares indicate whether a number is larger ( $>$ ) or smaller (<) than the number next to it.

## Kakuro No 3725

|  |  |  | $\sqrt{25}$ |  |  |  | $1$ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\sqrt[29]{ }$ |  |  |  | $26$ |  |  | $\sqrt[3]{1}$ |  |  |
| $38$ |  |  |  |  |  |  | $8 \sqrt[4]{4}$ |  |  |
| $\sqrt{89}$ | $\sqrt{9}$ |  |  |  |  | $\sqrt{4} \sqrt{4}$ |  |  | 8 |
|  |  |  |  |  |  |  |  | $6$ | $3$ |
| $8$ |  |  | ${ }^{4}{ }^{6}$ |  |  |  | $8^{4}$ |  |  |
|  |  | $13{ }^{9}$ |  |  |  | $28$ | $18 y^{3}$ |  |  |
| $\mathrm{V}_{2}$ | $24^{39}$ |  |  |  |  |  |  |  |  |
|  |  |  |  | $13^{10}$ |  |  |  | $3$ | $4$ |
| $17$ |  | $\sqrt{39}$ |  |  |  |  |  |  |  |
| $16$ |  | $16$ |  |  | $11$ |  |  |  |  |

Fill the grid
using the numbers 1 to 9 only. The numbers in each horizontal or vertical run of white squares add up to the total in the triangle to its left or above it. The same number may occur more than once in a row or column, but not within the same run of white squares.

## Quintagram(1)

Solve all five cryptic clues using each letter underneath once only

1 Team expressed exasperation verbally (4)

-     -         -             - 

2 Courage displayed by the artist (5)

-     -         -             -                 - 

3 Grab part of car (6)

-     -         -             -                 - 

4 Piece of music I put in strange tempo $(4,4)$

5 Expert to write preliminary version (9)

| A | C | C | D | E | E | E | E |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| E | H | H | 1 | L | M | N | 0 |
| 0 | 0 | 0 | P | P | P | R | R |
| S | T | T | T | T | T | U | Y |

## Brain Trainer

| $\text { Easy }>12$ | x2 | $\begin{gathered} 3 / 4 \\ \text { OFIT } \end{gathered}$ | -7 | +9 | x 3 | $\begin{aligned} & 255 \% \\ & \text { OFFTT } \end{aligned}$ | $\begin{gathered} 2 / 3 \\ \text { ofit } \end{gathered}$ | $\underset{\substack{\text { squaARE } \\ I \pi}}{ }$ | $\begin{aligned} & 3 \\ & 2 \\ & 2 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 23 | +91 | $\begin{gathered} +1 / 2 / 2 \\ \\ \text { or } \end{gathered}$ | $\times 2$ | x 4 | -24 | $\begin{gathered} 1 / 3 \\ \text { OFIT } \end{gathered}$ | $\div 8$ | $\begin{aligned} & +3 / 4 \\ & 0 F I T \end{aligned}$ | +53 |
| hamder 48 | x 3 | $\begin{aligned} & 11 / 12 \\ & \text { OFIT } \end{aligned}$ | x 5 | $\div 30$ | SQuafe | +158 | $\begin{gathered} 5 / 6 \\ \text { OFIT } \end{gathered}$ | x2 | $-246$ |

## Polygon



From these letters, make words of three or more letters, always including the central letter. Answers must be in the Concise Oxford Dictionary, excluding capitalised words, plurals, conjugated verbs (past tense etc), adverbs ending in LY, comparatives and superlatives. How you rate 12 words, average; 16 , good; 21, very good; 26 , excellent

## Yesterday's answers

emir, heir, hem, her, herm, hero, hie, hire, hoe, hoer, home, homer, homie, ire, meh, mire, moire, more, ore, rem, rhizome, rime, roe, zero

## Killer Moderate No 9490



## Cell Blocks No 5109

|  | 7 |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| 2 |  | 4 |  |  |
|  | 4 |  | 4 |  |
|  |  | 6 |  |  |
|  | 8 |  |  | 4 |
|  |  | 3 |  |  |
|  |  |  | 3 | 4 |

Divide the grid into square or rectangular blocks, each containing one digit only. Every block must contain the number of cells indicated by the digit inside it.

## Set Square No 3728



Enter each of the numbers from 1 to 9 in the grid, so that the six sums work. We've placed two numbers to get you started. Each sum should be calculated left to right or top to bottom.

Please note, BODMAS does not apply

## Killer Tough № 9491



As with standard Sudoku, fill the grid so that every column, every row and every $3 \times 3$ box contains the digits 1 to 9 . Each set of cells joined by dotted lines must add up to the target number in its top-left corner. Within each set of cells joined by dotted lines, a digit cannot be repeated.

Cluelines Stuck on Sudoku, Killer or KenKen? Call 0901293 6263 before midnight to receive four clues for any of today's puzzles. Calls cost $£ 1$ plus your telephone company's network access charge. SP: Spoke, 03332023390 (Mon-Fri 9am-5.30pm).

## Times Crossword 28,928



## ACROSS

1 European back after short time in ship (11)
7 Business with British pen friend? (3)

9 Bold account given in German car by old American (9)
10 Hello: a greeting abroad taken the wrong way? (5)
11 Old stage artist having brandy served with water in Charente? (7)
12 Making smooth transition from day to hours of darkness? (7)
13 Attempt to influence shy lad lacking in love (5)
15 Dire Straits, never having succeeded, terribly cross (9)
17 Mars scheme socialists devised with case for employment $(3,6)$
19 One Bee Gee's heart of gold (5)
20 American animal in races covered by Herald? (7)
22 Done in one second: paint liberally applied (7)
24 Milan side put in grave position? (5)

25 Where in Scotland Indiana author stays for vacation? (9)
27 Poet's 12 has lamentation with a thousand lost (3)
28 Skilful manipulation somehow realigned me (1l)

## DOWN

1 Biggish bird that was duck kept by old woman (3)
2 Promotion by Northern Irish making deep point (5)
3 Some losing heart before battle in France, telling no-one (7)
4 English test player receiving ball hit square? Good delivery! (9)
5 Thrash with stick (5)
6 Ruling that restricts a chemical substance (7)
7 Getting round in, Richter's ordered a treble? (9)
8 Scaramouche in imitation silver dress back before ten (ll)
11 Pair perform, beset by spite and improper conduct (ll)
14 Bishop surprisingly dominant in game (9)
16 Film director ultimately one always after introduction to Ronnie Barker (9)

18 Wrong letter printed excluding metaphors? (7)
19 Make false accusations when blue (7)

21 At home, wearing hairpiece, having second thoughts (5)
23 Drinks up: sot finally swallowed tablet (5)
26 That which may make us brown paper? (3)

Yesterday's solution 28,927


Check today's answers by ringing 0905757 0141 by midnight. Calls cost $£ 1$ per minute plus your telephone company's network access charge.SP:Spoke 03332023390.

## Solutions

Quick Cryptic 2686


Codeword 5225


Kakuro 3724

| 3 | 1 |  |  | 8 | 9 |  | 4 | 7 | 9 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 2 | 4 | 5 |  | 9 | 7 |  | 1 | 3 | 7 |
| 1 | 2 | 3 | 6 | 5 |  |  | 2 | 1 |  |
|  |  | 1 | 2 | 4 | 8 | 9 |  | 4 | 3 |
|  | 6 | 2 |  | 1 | 3 | 7 |  | 2 | 1 |
| 5 | 7 |  | 3 | 7 | 9 |  | 7 | 5 |  |
| 9 | 8 |  | 1 | 2 | 5 | 8 | 9 |  |  |
|  | 3 | 1 |  |  | 1 | 2 | 6 | 9 | 8 |
| 1 | 5 | 2 |  | 3 | 4 |  | 8 | 7 | 9 |
| 3 | 9 | 4 |  | 1 | 2 |  |  | 3 | 6 |

Train Tracks 2254


Lexica 7435


Lexica 7436


## Today's solutions

Cryptic
Quintagram
$\mathbf{1}$ Side
2 Heart
3 Clutch
$\mathbf{4}$ Tone poem
5 Prototype


Word watch
Locofoco (b) A match for
starting a fire (Collins)
Lithodomous (b) Living in rock (OED)
Daddock (a) The heart of a
rotten tree (Chambers)
Chess - Winning Move
Winton puzzle - no solution

## Samurai medium

Fill each grid so that every column, every row and every $3 \times 3$ box contains the digits 1 to 9 . Where the puzzles overlap, the rows and columns do not go beyond their usual length.

|  | 3 |  | 5 |  |  |  |  |  |  |  |  |  |  | 9 | 3 | 8 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 |  |  |  |  | 8 | 8 |  |  | 9 |  |  |  |  |  |  | 4 |  |  |  |  |  |  |
|  |  | 9 | 7 |  |  |  |  | 4 |  |  |  | 1 |  |  |  |  |  | 7 |  |  | 8 | 5 |
|  | 1 |  |  | 6 | 6 |  | 7 |  |  |  |  | 3 | 7 | 7 |  |  |  |  |  |  | 6 | 4 |
| 8 |  |  | 9 |  | 3 |  |  |  |  |  |  |  |  |  | 5 |  | 8 | 9 |  |  | 7 |  |
|  | 4 |  | 1 |  | 5 | 5 |  | 2 |  |  |  |  |  |  | 6 |  |  |  |  |  |  | 9 |
|  |  |  |  |  | 7 | 7 |  |  |  | 4 |  |  |  |  |  |  | 2 | 8 |  | 4 |  | 6 |
|  | 7 | 6 |  | 5 | 5 |  |  | 9 |  |  |  | 5 |  |  |  |  |  |  |  |  |  |  |
|  | 8 |  |  |  |  |  | 3 |  | 2 | 9 |  |  |  |  | 4 |  |  | 3 |  | 5 |  | 2 |
|  |  |  |  |  |  |  | 9 |  | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | 6 |  |  | 1 |  |  | 4 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  | 6 |  |  | 5 |  |  |  |  |  |  |  |
| 3 |  | 9 | 2 |  |  |  | 5 |  |  |  | 3 | 7 |  |  | 9 |  |  |  |  |  | 2 |  |
|  |  |  |  |  |  |  |  |  | 9 |  |  |  |  | 1 |  |  | 9 |  |  | 3 | 5 |  |
| 7 |  | 5 | 9 | 6 | 6 |  |  |  |  |  | 7 |  |  |  |  | 2 |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  | 1 |  |  |  |  |  |  | 7 |  | 4 |  | 1 |  |  | 8 |  |
|  | 6 |  | 8 |  | 3 |  | 2 |  |  |  |  |  |  |  |  | 3 |  | 9 |  |  |  | 4 |
| 8 | 3 |  |  |  |  |  |  | 6 | 4 |  |  |  |  |  | 1 |  | 8 |  |  |  | 7 |  |
| 6 | 7 |  | 5 |  |  |  |  |  | 8 |  |  |  |  | 3 |  |  |  | 6 | 6 | 8 |  |  |
|  |  |  |  |  | 8 | 8 |  |  |  |  |  | 6 |  |  |  | 1 |  |  |  |  |  | 7 |
|  |  |  |  |  | 1 | 16 | 6 | 7 | 5 |  |  |  |  |  |  |  |  | 7 | 7 |  | 3 |  |

## Futoshiki

Fill the blank squares so that every row and column contains each of the numbers 1 to 5 once only. The symbols between the squares indicate whether a number is larger (>) or smaller (<) than the number next to it.


## Train Tracks

Lay tracks to enable the train to travel from village A to village $B$. The numbers indicate how many sections of track go in each row and column. There are only straight sections and curved sections. The track cannot cross itself.


Sudoku fiendish

|  |  |  |  |  |  | 2 |  | 9 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 6 |  |  | 3 |  |  |  |  |  |
| 4 |  |  | 8 | 6 |  |  |  | 5 |
| 3 |  |  |  |  | 1 |  |  |  |
|  |  |  | 2 | 4 |  | 7 |  |  |
|  |  |  |  | 3 |  | 8 | 1 |  |
|  | 3 | 7 |  |  |  |  |  |  |
| 1 |  | 9 |  |  |  |  |  |  |
|  | 6 |  |  |  | 4 | 1 | 9 |  |

## Killer tricky

Fill the grid so that every column, every row and every $3 \times 3$ box contains the digits 1 to 9 . Each set of cells joined by dotted lines must add up to the target number in its top-left corner. Within each set of cells joined by dotted lines, a digit cannot be repeated.

| $2^{26}$ | 20№r ${ }^{\text {a }}$ | $9^{9}$ |  |  | $21^{\cdots \cdots}$ |  | ! | 23* |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | $17^{-\cdots}$ |  |  | $11^{-r}$ |  |
|  | $20$ | 20 |  |  |  | $7^{-}$ |  |  |
|  |  | $\square$ | $4$ | $9$ |  |  |  |  |
|  |  |  | $\square$ | $30$ |  | ! | $15$ | : |
|  | $13$ |  | $14$ |  | $\square$ |  |  |  |
|  | $10$ |  |  |  |  |  |  |  |
| $\square$ | $8^{-}$ |  | $12^{-\cdots}$ |  |  | $26 \cdots$ |  |  |
| $17^{\cdots}$ | --..... 1 | $15$ |  | $\square$ |  | $6$ |  | $\square$ |

## Suko



Place the numbers 1 to 9 in the spaces so that the number in each circle is equal to the sum of the four surrounding spaces, and each colour total is correct

## Codeword

Every letter in the crossword-style grid, right, is represented by a number from 1 to 26. Each letter of the alphabet appears in the grid at least once. Use the letters already provided to work out the identity of further letters. Enter letters in the main grid and the smaller reference grid until all 26 letters of the alphabet have been accounted for. Proper nouns are excluded.

## Mini Sudoku

Fill in the grid so that every column, every row and every $3 \times 2$ box contains the digits 1 to 6

Solutions in tomorrow's Times2

|  | 4 |  |  |
| :--- | :--- | :--- | :--- |
| 3 |  | 6 |  |
| 4 |  | 2 | 1 |
| 1 | 2 |  | 6 |
| 1 | 3 |  | 2 |
|  |  |  | 3 |



A B \& DEFGH I JKL KNOPQRSTUVWXYZ

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 14 | 15 | 16 | ${ }^{17}$ | $\mathbf{A}$ | $\mathbf{M}$ |  | 19 | 20 | 21 | ${ }^{22} \mathbf{C}$ | ${ }^{23}$ | 24 |
| 25 | 26 |  |  |  |  |  |  |  |  |  |  |  |

## Yesterday's solutions

SAMURAI

| 4 | 7 | 9 |  | 2 |  |  |  |  |  |  |  |  |  | 5 | 1 |  |  | 7 | 3 | 8 |  | 6 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2 | 6 | 5 | 1 | 8 | 4 | 9 | 97 | 3 |  |  |  | 6 |  | 4 | 8 | 1 | 3 | 5 | 7 | 9 |  | 2 |
| 8 | 3 | 1 | 7 | 6 | 9 | 2 | 24 | 5 |  |  |  | 3 |  | 9 | 7 | 6 | 2 | 8 | 5 | 1 |  | 4 |
| 1 | 8 | 7 | 5 | 9 | 2 | 3 | 36 | 4 |  |  |  | 9 |  | 2 | 3 | 8 | 1 | 4 | 6 | 5 |  | 7 |
| 6 | 4 | 2 | 8 | 3 | 7 | 5 | 59 | 1 |  |  |  | 1 |  | 6 | 4 | 7 | 5 | 5 | 8 | 2 |  | 9 |
| 5 | 9 | 3 | 4 | 1 | 6 | 7 | 72 | 8 |  |  |  | 8 |  | 7 | 5 | 2 | 6 | 9 | 4 | 3 |  | 1 |
| 9 | 1 | 8 | 2 | 4 | 3 | 6 | 6 | 7 | 2 | 1 | 8 | 4 |  | 3 | 9 | 5 | 7 | 2 | 1 | 6 |  | 8 |
| 3 | 5 | 6 | 9 | 7 | 8 | 4 | 41 | 2 | 7 | 3 | 9 | 5 |  | 8 | 6 | 4 | 9 | 1 | 2 | 7 |  | 3 |
| 7 | 2 | 4 | 6 | 5 | 1 | 8 | 83 | 9 | 5 | 6 | 4 | 7 |  | 1 | 2 | 3 | 8 | 6 | 9 | 4 |  | 5 |
|  |  |  |  |  |  | 3 | 32 | 8 | 1 | 4 | 7 | 9 |  | 6 | 5 |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 1 | 19 | 4 | 6 | 5 | 2 | 3 |  | 7 | 8 |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 7 | 76 | 5 | 9 | 8 | 3 | 2 |  | 4 | 1 |  |  |  |  |  |  |  |
| 8 | 1 | 3 | 4 | 2 | 9 | 5 | 57 | 6 | 4 | 2 | 1 | 8 |  | 9 | 3 | 4 | 5 | 1 | 2 | 6 |  | 7 |
| 2 | 4 | 7 | 5 | 6 | 3 | 9 | 98 | 1 | 3 | 7 | 5 | 6 |  | 2 | 4 | 9 | 7 | 3 | 5 | 8 |  | 1 |
| 5 | 9 | 6 | 7 | 1 | 8 | 2 | 24 | 3 | 8 | 9 | 6 | 1 |  | 5 | 7 | 8 | 2 | 6 | 9 | 4 |  | 3 |
| 6 | 5 | 4 | 3 | 7 | 1 | 8 | 89 | 2 |  |  |  | 3 |  | 7 | 6 | 1 | 8 | 9 | 4 | 5 |  | 2 |
| 3 | 2 | 9 | 6 | 8 | 4 | 7 | 71 | 5 |  |  |  | 9 |  | 4 | 5 | 6 | 3 | 2 | 7 | 1 |  | 8 |
| 7 | 8 | 1 | 2 | 9 | 5 | 6 | 63 | 4 |  |  |  | 2 |  | 8 | 1 | 7 | 4 | 5 | 3 | 9 |  | 6 |
| 1 | 6 | 5 | 8 | 3 | 7 | 4 | 42 | 9 |  |  |  | 4 |  | 3 | 2 | 5 | 1 | 8 | 6 | 7 |  | 9 |
| 9 | 7 | 2 | 1 | 4 | 6 | 3 | 35 | 8 |  |  |  | 7 |  | 1 | 9 | 3 | 6 | 4 | 8 | 2 |  | 5 |
| 4 | 3 | 8 | 9 | 5 | 2 | 1 | 16 | 7 |  |  |  | 5 |  | 6 | 8 | 2 | 9 | 7 | 1 | 3 |  | 4 |



TRAIN TRACKS


FUTOSHIKI

| 1 | 3 | 5 | 4 | 2 |
| :---: | :---: | :---: | :---: | :---: |
| $\wedge$ |  |  |  |  |
| 3 | 1 | 2 | < 5 | 4 |
| 5 | 4 | $>1$ | 2 | 3 |
| 4 | 2 | 3 | 1 | 5 |

2 $5>4>3>1$

SUDOKU

| 5 | 3 | 1 | 6 | 2 | 4 | 8 | 9 | 7 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 9 | 2 | 6 | 8 | 7 | 5 | 3 | 1 | 4 |
| 4 | 8 | 7 | 3 | 9 | 1 | 2 | 5 | 6 |
| 6 | 7 | 2 | 4 | 1 | 3 | 5 | 8 | 9 |
| 8 | 1 | 4 | 7 | 5 | 9 | 6 | 2 | 3 |
| 3 | 5 | 9 | 2 | 8 | 6 | 7 | 4 | 1 |
| 7 | 4 | 5 | 9 | 3 | 2 | 1 | 6 | 8 |
| 2 | 6 | 3 | 1 | 4 | 8 | 9 | 7 | 5 |
| 1 | 9 | 8 | 5 | 6 | 7 | 4 | 3 | 2 |

KILLER

| 1 | 3 | 6 | 8 | 4 | 2 | 7 | 9 | 5 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 2 | 7 | 8 | 5 | 1 | 9 | 3 | 6 | 4 |
| 9 | 5 | 4 | 6 | 7 | 3 | 1 | 2 | 8 |
| 8 | 4 | 9 | 7 | 5 | 1 | 2 | 3 | 6 |
| 5 | 2 | 3 | 4 | 9 | 6 | 8 | 1 | 7 |
| 7 | 6 | 1 | 2 | 3 | 8 | 5 | 4 | 9 |
| 4 | 1 | 7 | 9 | 2 | 5 | 6 | 8 | 3 |
| 3 | 8 | 5 | 1 | 6 | 4 | 9 | 7 | 2 |
| 6 | 9 | 2 | 3 | 8 | 7 | 4 | 5 | 1 |

CODEWORD


## THE wide tiMES

MindGames

