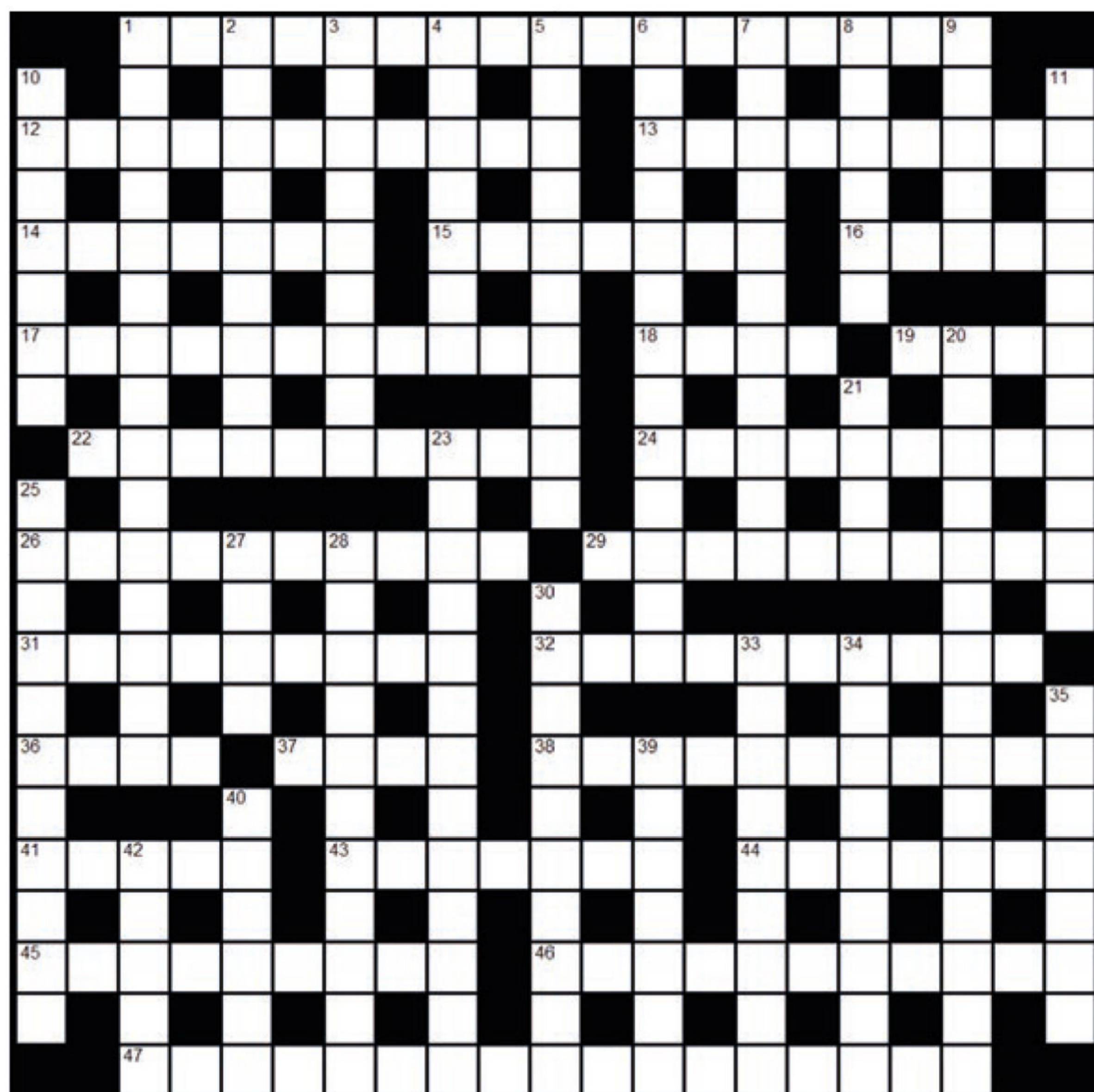


The generalist by Didymus



ACROSS

- 1 Australian batsman who replaced Steve Smith following his injury in the second Ashes Test Match during August (6,11)
- 12 The first geyser in Yellowstone National Park to receive a name (3,8)
- 13 "The Cheeky Chappie," Britain's top comedian from the 1930s to 1950s (3,6)
- 14 In geology, rocks formed in the late Triassic (7)
- 15 The ruler of a district—a petty king (7)
- 16 One of Les Six, or made of gold (5)
- 17 "The Five," the sixth Lord Peter Wimsey murder mystery novel by Dorothy L Sayers (3,8)
- 18 ... Kenny, Fine Gael politician who was Taoiseach from 2011 to 2017 (4)
- 19 David ..., one of the founders of the SDP in 1981 (4)
- 22 Black or brown mineral which is the chief ore of tungsten (10)
- 24 The principle that the stress imposed on a solid is directly proportional to the strain produced, within the elastic limit (6,3)
- 26/29 The new rule which applied to 1 Across being allowed to bat in the second innings of that Test Match (10,10)
- 31 A spark in St Malo (9)
- 32 The forty thieves' password (4,6)
- 36 World War Two organisation which provided concerts and shows for the British fighting forces on active service (4)
- 37 British aircraft manufacturer

- which produced the Lancaster, Shackleton and Vulcan bombers (4)
 - 38 Village in Dumfries and Galloway; the location of a national environmental observatory (11)
 - 41 Scottish golf course where Henrick Stenson won the 2016 Open Championship (5)
 - 43 Skating turn from the inside edge of one skate to the outside edge of the other (7)
 - 44 The ability to enter into the feeling of a work of art and so appreciate it fully (7)
 - 45 Like 37 Across' Vulcan, the high-altitude, strategic bomber (5-4)
 - 46 Cursory remarks (6,5)
 - 47 The best item (5,2,10)
- ### DOWN
- 1 Ice cream and dairy company established in Birmingham in 1913, which later evolved into Lyons Maid (7,8)
 - 2 Sunday joint, from which the French nickname for an English person is derived (5,4)
 - 3 Nettle rash (9)
 - 4 Island group off the coast of north-west Norway which includes Austvågøy and Vestvågøy (7)
 - 5 He puts up adverts on walls and fences (4,6)
 - 6 Building off the Strand which is currently an arts centre and hosts an ice rink in its courtyard at Christmas time (8,5)
 - 7 Solid figures with six plane faces (11)
 - 8 Solo instrument in *Concierto de*

- Aranjuez* by Joaquin Rodrigo (6)
- 9 Swiss mathematician noted for his work on the calculus of variation (5)
- 10 Helpless giggling (3,4)
- 11 Ceramics expert, a former Director of Bonhams, now regularly appearing on *Bargain Hunt* and *The Antiques Roadshow* on BBC1 (4,7)
- 20 Thick, bushy whiskers which drop over the mouth, associated with Bismarck, Nietzsche and Lech Walesa (6,9)
- 21 A fictional ancient knighthood in the *Star Wars* films (4)
- 23 June 1976 hit for T. Rex, later featured in the film *Billy Elliot* (1,4,2,6)
- 25 Industrial city in New York state; the location of Nott Memorial, which is the only 16-sided building in the northern hemisphere (11)
- 27 In Scotland, unfamiliar or odd (4)
- 28 Jab which protects against poliomyelitis (4,7)
- 30 Warwickshire all-rounder who later played 16 Test Matches for New Zealand, retiring in 2001 (5,5)
- 33 Section of the boards facing the audience (5,4)
- 34 Intervened dramatically (7,2)
- 35 Large European goose, *Anser anser* (7)
- 39 Resident of Al Ahmadi, Hawalli or Al Farwaniyah (7)
- 40 Nigel ..., British screenwriter best known for creating Professor Bernard Quatermass (6)
- 42 Lowest deck on board (5)

Last month's generalist solutions

Across: 11 7 Ages of Man, 12 Insinuator, 13 Yarrow, 14 Now then, 15 Gomuti, 16 9 days' wonder, 17 Bestudded, 19 Bettany Hughes, 21 Falafel, 24 Brut, 26 Les 6, 27 Estate duty, 29 20 Questions, 31 En-Tout-Cas, 34 Famous 5, 35 Lleyton Hewitt, 38 Stood back, 40 *Take A Chance*, 43 2-timer, 44 Altesse, 45 Typist, 46 Perry Mason, 47 Alan Hansen

Down: 1 Far and near, 2 *Peer Gynt*, 3 Powwow, 4 *I Man and his Dog*, 5 Knowledge, 6 High 5, 7 5 senses, 8/42 1-night stand, 9 1-armed bandit, 10 6 of the best, 18 9-eyes, 20 Nilotes, 22 Antioch, 23 Stanhope Medal, 25 *The Son of Mary*, 28 Istle, 30 Quantities, 32 Aztec 2-step, 33 30 Years War, 36 Wrapping, 37 Oceans 11, 39 Bireme, 41 *Catch-22*

Enigmas & puzzles

Lettuce play

Barry R Clarke

Rabbit has forgotten to hand in his mathematics homework. Unfortunately, his mathematics master, Mr Warren, is a religious fanatic and believes that sins should not go unpunished. So, by way of retribution, he has secretly changed the two-digit pass number on Rabbit's school lunch box. When the bell rings for lunch, and Rabbit removes the box from his satchel, he is disappointed to discover that he is unable to eat his lettuce sandwiches.

Realising what has happened, Rabbit asks his teacher for the new pass number, but instead he is given seven statements, exactly three of which are false.

- (1) The two digits sum to 9.
- (2) Exactly one digit is a square number.
- (3) The two digits sum to 10.
- (4) Both digits are odd numbers.
- (5) Exactly one digit is a prime number.
- (6) Exactly one digit is divisible by 3.
- (7) The two digits sum to 11.

The two digits in the pass number are 1–9 inclusive, no two digits being identical, and the higher digit precedes the lower one.

Mr Warren believes it would take a miracle for Rabbit to unravel the enigma. However, he has underestimated his ability. Rabbit leaps on the problem, and with religious application soon solves it.

What is the pass number for the school lunch box?

Last month's solution

Antwit is 19, Babble is 16, and Crumble is 15. Taking the initial of each name for the age, we have $C - 5 = (B + 4)/2$ and $A - 5 = 2(C - 8)$. This gives $2C - 16 = A - 5 = B - 2$. If we now run through the ages 13–19 for A, we discover that C is only a teenager for A=17 and A=19. The first gives equal ages for B and C. So the only possible triplet (A, B, C) with A, B, C as teen ages with no two the same is (19, 16, 15).

How to enter

The generalist prize

The winner receives a copy of *Today: A History of Our World through 60 Years of Conversations & Controversies* edited by Edward Stourton. Covering 60 world-changing events and including never-before-seen archive photography, *Today* offers behind-the-scenes insight into the conversations and leaders who have changed the world around us.

Enigmas & puzzles prize

The winner receives a copy of *So You Think You've Got Problems?* by Alex Bellos. Featuring 150 ingenious puzzles selected to reveal the diversity of brainteasers that have confounded and intrigued solvers for the last thousand years.

Rules

Send your solution to answer@prospect-magazine.co.uk or Crossword/Enigmas, *Prospect*, 2 Queen Anne's Gate, SW1H 9AA. Include your email and postal address. Entries must be received by 1st November. Winners announced in our December issue.

Last month's winners

The generalist: Peter and Jeannie Camberlain, Rushden
 Enigmas & puzzles: Ken Austin, Exeter
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