

# brainteasers

## Quickie

For those of you who couldn't solve last month's quickie, here's another one to try that should help.

What number when written as a word has its letters in alphabetical sequence?

## This Month's Prize Puzzle

This one's a real PC-whirrer! I took six different digits (zero not included) and used them to generate as many primes, perfect squares and cubes as possible. No digit appeared more than once in any of the numbers generated.

I then discovered that if I divided the number of primes generated by the total

number of squares and cubes combined, the answer was an exact power of two.

Which six digits did I use? (By the way, so as to avoid all the phone calls to the Editor requesting clarification, the smallest prime number is 2, and 1 is both a square and a cube.)

Send your answer on a postcard or on the back of an empty sealed-down envelope, to:

**PCW Prize Puzzle – October 1998**  
P.O. Box 99, Harrogate  
N. Yorks HG2 0XJ

to arrive not later than 20th October 1998. *Please do not send your solutions on floppy disks, emails, or in envelopes. We cannot accept them as valid entries.*

## Winner of July Prize Puzzle

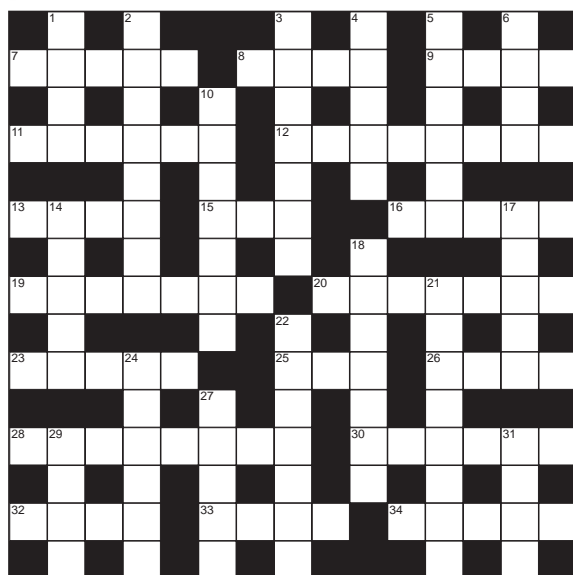
We received about a hundred entries for the not-too-difficult problem about the graduated sticks. Graduations 212 and 309 most nearly coincide, or if you look at it from the other end — as our winner and many others did — graduations 789 and 1150. The winning entry came from Mr David Cunliffe of Rochdale, who gets our congratulations immediately and a prize shortly.

Usual condolences to the also-rans — keep trying! It could be your turn next.

JJ CLESSA

**Please note that Brainteasers entries are not used for a direct mailing database.**

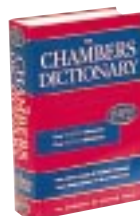
# prize crossword



It's only words — and there's millions of them in the new Chambers Dictionary.

Each month, one lucky PCW crossword entrant wins one. This time, it could be you. Send your completed crossword to "PCW October Prize Crossword", VNU House, 32-34 Broadwick Street, London W1A 2HG, to arrive not later than 25th September, 1998.

*Please state clearly if you do not wish to receive promotional material from other companies.*



## DOWN

- 1 Dull pain (4)
- 2 One involved with machinery or physical structures (8)
- 3 Treatment (7)
- 4 Javelin (5)
- 5 Japanese car company (6)
- 6 Rind (4)
- 10 Storm (7)
- 14 Musical drama (5)
- 17 Become mature (5)
- 18 Love story (7)
- 21 Act of passing on to another (8)
- 22 Stuff your face? (7)
- 24 Obstruct (6)
- 27 Read closely (5)
- 29 Ellipse (4)
- 31 Cooker (4)

## ACROSS

- 7 Pictorial objects in a window (5)
- 8 Integrated circuits, commonly (4)
- 9 Instruct an application that a file is required (4)
- 11 Machine such as a printer, modem, scanner and so on (6)
- 12 Not capable of being erased or modified (4-4)
- 13 No place like this page? (4)
- 15 Protocol for e-mail message storage (3)
- 16 Instruction replaced by a sequence of other instructions (5)
- 19 Frequency of screen display regeneration (7)
- 20 Like data or files damaged or unusable (7)
- 23 Fundamental language? (5)
- 25 Old colour graphics standard (3)

- 26 A set of particular letters, numbers and symbols (4)
- 28 The C of PCW! (8)
- 30 Blinking screen indicator (6)
- 32 Section of the frequency spectrum lying between certain limits (4)
- 33 Small drink for dynamic memory! (4)
- 34 Crispy biscuit for integrated circuits? (5)

## September solutions

7 Explorer 9 Output 10 Tape 11 Encrypted 12 ASCII 14 Manager 18 Cookies 19 Fortran 22 Traffic 24 Modem 26 Sound card 28 Drag 29 Access 30 Machines

## DOWN

1 Expansion 2 Clue 3 Greed 4 Gory 5 Statue 6 Fund 8 Racial 13 Ink 15 Atom 16 Beef 17 Caretaker 20 Two 21 Disarm 23 Roused 25 Edict 26 Sack 27 Dusk 28 Drip