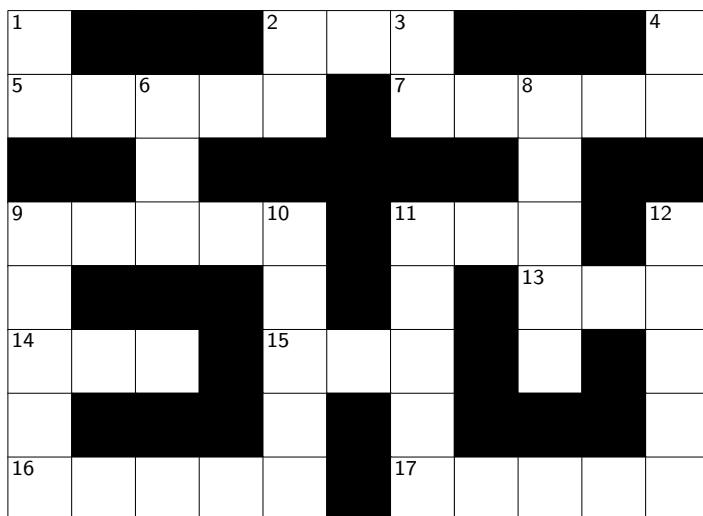


Mini Crossnumber

Set by Humbug



Across

- 2 Why is 6 afraid of 7? (3)
 5 None of the digits of this number (5) are 1. The highest common factor of each digit and its neighbours is 1.
 7 The product of 23 and the first five (5) prime numbers.
 9 A multiple of 1111. (5)
 11 Each digit of this number is half the (3) previous digit.
 13 One less than a square number. (3)
 14 The sum of the digits of 16A multi- (3) plied by the sum of the digits of 10D.
 15 The number of days in the year 2792. (3)
 16 A factor of 10D. (5)
 17 Each digit of this number starts with (5) the last letter of the previous digit.

Down

- 1 The coefficient of x^3 when $(x + 1)^7$ is ex- (2) panded.
 2 The smallest number that has five syllables (2) in its name.
 3 A multiple of 5. (2)
 4 In this number's name, the letters appear in (2) alphabetical order.
 6 Start with 1. Add one and square the result. (3) Then add one and square the result again. Then add one and square the result again again.
 8 Equal to another answer in this crossnumber. (5)
 9 An anagram of 17A. (5)
 10 The only five digit factorial!* (5)
 11 One more than a multiple of 10D. (5)
 12 The mean of 7A, 16A, 9D, 11D and 12D. (5)

*The n th factorial, written $n!$, is equal to $n \times (n-1) \times \dots \times 2 \times 1$.

Rules

Although many of the clues have multiple answers, there is only one solution to the completed crossnumber. As usual, no numbers begin with 0. You should be able to complete this mini crossnumber using only a pen and paper.

If you enjoy this puzzle, have a go at the larger version in *Chalkdust* issue 4. You could win £100 of mathematical goodies from Maths Gear if you solve it by 22nd July!