

Gifted and Talented task

**Crossnumber Clues**

 www.st-helena.essex.sch.uk  contact@st-helena.essex.sch.uk

**Down**

1 Is the sixth prime number unlucky for some.

2 Three less than James Bond.

3 One of the angles of an equilateral triangle.

4 Comes before ‘6 down’ in the clues but one after it in the sequence.

6 The eight Fibonacci number.

7 The square root of 321,489.

8 One more than half a century.

10 Degrees in a right angle.

12 17 cubed.

13 In Roman terms, M more than ’12 down’.

16 A four-digit number consisting of the same odd number repeated four times.

17 The much greater probability left from one chance in a million.

19 The mode of 40, 43, 47, 39, 43, 47, 43, 40.

21 A palindromic square of a palindrome.

22 Four centuries.

27 The cubic units of a box measuring 22 by 18 by 12 units.

28 This number is < the previous down clue by six score.

31 The radius of a circle where the diameter is 5126 units.

32 The number of degrees in a circle.

34 The number of days in the first six months of a leap year.

**Across**

1 The lowest four-digit palindromic number.

3 45 in base 7.

5 54.

8 7!

9 A baker’s dozen of baker’s dozens.

11 21 squared.

14 The sum of two angles in a triangle where the third angle is 110°.

15 The hypotenuse of a right-angled triangle where the other two sides are 9 and 12 units.

17 A traditional emergency call to 10 centuries minus one.

18 The first three odd numbers in reverse order.

19 Apart from 1 and itself, the only factor is 7.

20 The perimeter of a rectangle where the length is 400 units and the width is 182 units.

23 The ninth triangular number.

24 Three-quarters of 52.

25 25.

26 You have one in \_\_\_\_\_\_ chance of drawing the nine of clubs from a pack of cards that includes two jokers.

29 A two digit number where both digits are odd and the second digit is the square root of the first.

30 The numbers of ways in which the letters of the word PARTY can be arranged.

33 A three-digit number where the first digit is the sum of the other two.

35 The product of mean and median from the numbers 33, 22, 25, 33, 23, 24, 29.

36 Four different even digits.

37 This number can be represented as xyx where y = 2x.

38 The number of faces on a dodecahedron.