

# BLETCHLEY PARK PUZZLES - ANSWERS

## WEEK 1. LETTERPLAY

Insert all the letters from the word **CAFETERIA** into the empty squares below so that you create three words across and three words reading down.

	<sup>1</sup> <b>W</b>	<sup>2</sup> <b>S</b>	<sup>3</sup> <b>B</b>	
<sup>1</sup> <b>P</b>	<b>A</b>	<b>C</b>	<b>E</b>	<b>D</b>
<sup>2</sup> <b>S</b>	<b>T</b>	<b>A</b>	<b>F</b>	<b>F</b>
<sup>3</sup> <b>P</b>	<b>E</b>	<b>R</b>	<b>I</b>	<b>L</b>
	<b>R</b>	<b>E</b>	<b>T</b>	

## 2. ACROSTIC

Find a word to match each of the definitions given below. When you have all the words, the initial letters should spell out the name of a famous author. You must get all the words, as well as the name of the author.

1. A lunge in fencing: **THRUST**
2. Belief that good must ultimately prevail over evil in the universe: **OPTIMISM**
3. Automobile manufacturer with trident logo: **MASERATI**
4. Extremely dark, gloomy, or forbidding: **STYGIAN**
5. Author of "The Chemical Basis of Morphogenesis" in 1952: **TURING**
6. To vary between opposing beliefs, feelings, or theories: **OSCILLATE**
7. Theatrical flashes, maroons, and gerbs: **PYROTECHNICS**
8. An area of mainly steppe-like plains in Argentina and Chile: **PATAGONIA**
9. A harvestman is of this class: **ARACHNID/ARACHNIDA**
10. Reduce costs or spending in response to economic difficulty: **RETRENCH**
11. German singer who received the US Medal of Freedom in 1947: **DIETRICH**

**Author's name: TOM STOPPARD (WHO WROTE THE SCREEN PLAY FOR THE 2001 FILM ENIGMA STARRING KATE WINSLET)**



### 3. NUMBERS

#### 1. What 5-digit number has the following features?:

If we place an extra numeral 1 at the beginning, we get a number three times smaller than if we put that numeral 1 at the end of the number. **42857**

#### 2. What two numbers come next in this sequence?:

1, 18, 4, 13, 6, 10, 15, 2, **17, 3 (CLOCKWISE ROTATION ON A DARTBOARD)**

#### 3. Find a number between 1 and 100 with all its letters in alphabetical order (in English).

Example: "five" has "fiv" in alphabetical order, but not "e". **FORTY**

#### 4. Arrange the numerals 1 to 9 (1, 2, 3, 4, 5, 6, 7, 8 and 9) in a single fraction that equals exactly 1/3 (one third)? You may use each digit only once.

An example that doesn't work:  $7192/38456 = 0.187$  **5832/17496 (OR 5823/17469)**

#### 5. An archer scores exactly one hundred points. The scores for the different rings on the target are: 16, 17, 23, 24, 39 and 40.

How many arrows must the archer have used to accomplish the feat? **6 (16+16+17+17+17+17)**

### 4. PISCINE PHRASES

The following statements contain fishy words (the number of words in each statement is noted in brackets). Can you find all thirteen? (Alternative correct answers in brackets)

1. It's insupportable a king should abdicate at all. (2) **BLEAK, DAB (KING, CAT)**

2. There is no public desire for a long-forgotten church. (1) **TENCH**

3. Toys termed intelligence elements are developed or yet to be used in other rings for spying operations. (4)  
**OYSTER, EEL, DORY, HERRING(S)**

4. Customers escape lines in busy Post Office (1) **CAPELIN (ICE)**

5. The lack of women and girls studying science is a basic oddity.(1) **COD**

6. People stop outside a café for drinkable treats (2) **POUT, ABLET (INK, IDE)**

7. All kinds of good things emanate easily from a charity (2) **MANATEE, CHAR**

### 5. CAPITAL CODING

In Serbia you find a large bed, in Algeria, a sea girl, and in Australia a care barn.

What might you find in Peru? **MAIL (THE ITEMS ARE ANAGRAMS OF THE CAPITAL CITY OF THE COUNTRY, SO PERU = LIMA)**

