**Twelve cypher texts for you to crack. Each one is a different substitution cipher. Hints/Solutions follow.**

**1**

**Y ONQ BAYDJ ZJDDJA DGNQ NQVZKMV BGK ONQ BAYDJ UNHDJA, NQM Y ONQ**

**BAYDJ UNHDJA DGNQ NQVZKMV BGK ONQ BAYDJ ZJDDJA.**

**QIJ XIHCJ KTHVCJZ XBQI QIJ XHTCS BA QIGQ LHHCA GNS LGNGQBPA GTJ**

**GCXGWA AH PJTQGBN HL QIJZAJCDJA, GNS XBAJT KJHKCJ AH LMCC HL**

**SHMVQA.**

**2**

**3**

**V WZM AMBI XVWLNVU VESTQG BXM NSEWG DMLSEM BXM BETBX XVI V**

**PXVQPM BS AMB ZBI YVQBI SQ.**

**4**

**ZLF TMZSHZ SH GIZLSGQ OSZLIUZ ZLF QSJZ, WUZ ZLF QSJZ SH GIZLSGQ**

**OSZLIUZ OIMD.**

**5**

**LZ SXMTEC, SXMEM LF ZT ALNNMEMZYM PMSOMMZ SXMTEC QZA BEQYSLYM.**

**PGS LZ BEQYSLYM, SXMEM LF.**

**6**

**RC, CE RC DCJ. JSMEM ZY DC 'JEF'.**

**7**

**M WMCUEWMCLTLMS LR M OEKLTE PXB CYBSLSF TXPPEE LSCX CUEXBEWR.**

**8**

**TFDLPDJ PO OPKUDS QYUSAI.**

**9**

**O RA JYRXB UG AYYU AB AREYJ. FQYUQYJ AB AREYJ OW VJYVRJYX NGJ**

**UQY HJYRU GJXYRK GN AYYUOTH AY OW RTGUQYJ ARUUYJ.**

**TR KNQ PDF'C AHC WTZ NR CUH IOHBHCNF TF KNQW PBNIHC, KNQ'Z XHIC**

**CHDPU TC CN ZDFPH.**

**10**

**11**

**ME DWZ YIR YWZRL DWZT GWRJD, DWZ CWR'L NIHJ I UMVVMWR CWVVITO.**

**12**

**RXMS DRG SAQWQXYTS TBS QWPRHHQNAS, ZBYTSUSI ISWYQXH, XR WYTTSI**

**BRZ QWPIRNYNAS, WGHT NS TBS TIGTB.**

**Hints**

**1) E was replaced by J**

**2) E was replaced by J**

**3) T was replaced by B**

**4) W was replaced by O**

**5) I was replaced by L**

**6) O was replaced by C**

**7) N was replaced by S**

**8) N was replaced by D**

**9) T was replaced by C**

**10) M was replaced by A**

**11) Y was replaced by D**

**12) O was replaced by R**

**Encodings**

**The substitutions: (H⇒I indicates that H was replaced by I)**

**1) [H⇒I, X⇒O, D⇒S, J⇒R, I⇒B, M⇒Z, Z⇒F, S⇒A, A⇒G, C⇒P, N⇒N, Y⇒W, R⇒T, G⇒E, E⇒J, V⇒D, U⇒M, L⇒C, B⇒V, K⇒Y, F⇒L, O⇒H, W⇒X, T⇒Q, P⇒K, Q⇒U]**

**2) [H⇒G, X⇒X, D⇒M, J⇒F, I⇒Y, M⇒W, Z⇒L, S⇒H, A⇒N, C⇒O, N⇒Q, Y⇒V, R⇒A, G⇒C, E⇒J, V⇒P, U⇒I, L⇒T, B⇒Z, K⇒E, F⇒U, O⇒K, W⇒B, T⇒D, P⇒R, Q⇒S]**

**3) [H⇒X, X⇒H, D⇒G, J⇒C, I⇒Z, M⇒F, Z⇒J, S⇒I, A⇒V, C⇒P, N⇒Q, Y⇒U, R⇒E, G⇒A, E⇒M, V⇒K, U⇒T, L⇒W, B⇒D, K⇒O, F⇒L, O⇒S, W⇒N, T⇒B, P⇒Y, Q⇒R]**

**4) [H⇒L, X⇒A, D⇒R, J⇒K, I⇒S, M⇒E, Z⇒B, S⇒H, A⇒T, C⇒X, N⇒G, Y⇒Y, R⇒M, G⇒Q, E⇒F, V⇒C, U⇒U, L⇒V, B⇒W, K⇒D, F⇒J, O⇒I, W⇒O, T⇒Z, P⇒N, Q⇒P]**

**5) [H⇒X, X⇒K, D⇒A, J⇒U, I⇒L, M⇒V, Z⇒W, S⇒F, A⇒Q, C⇒Y, N⇒Z, Y⇒C, R⇒E, G⇒H, E⇒M, V⇒R, U⇒G, L⇒I, B⇒P, K⇒D, F⇒N, O⇒T, W⇒O, T⇒S, P⇒B, Q⇒J]**

**6) [H⇒S, X⇒X, D⇒R, J⇒V, I⇒Z, M⇒K, Z⇒H, S⇒Y, A⇒W, C⇒L, N⇒D, Y⇒F, R⇒E, G⇒Q, E⇒M, V⇒P, U⇒U, L⇒G, B⇒O, K⇒I, F⇒B, O⇒C, W⇒T, T⇒J, P⇒A, Q⇒N]**

**7) [H⇒U, X⇒I, D⇒O, J⇒Z, I⇒L, M⇒W, Z⇒D, S⇒R, A⇒M, C⇒T, N⇒S, Y⇒J, R⇒B, G⇒F, E⇒E, V⇒K, U⇒Y, L⇒N, B⇒A, K⇒V, F⇒P, O⇒X, W⇒G, T⇒C, P⇒Q, Q⇒H]**

**8) [H⇒B, X⇒W, D⇒T, J⇒E, I⇒P, M⇒G, Z⇒R, S⇒O, A⇒F, C⇒L, N⇒D, Y⇒I, R⇒A, G⇒J, E⇒U, V⇒V, U⇒M, L⇒K, B⇒Z, K⇒H, F⇒X, O⇒Y, W⇒N, T⇒S, P⇒Q, Q⇒C]**

**9) [H⇒U, X⇒S, D⇒Z, J⇒V, I⇒T, M⇒G, Z⇒M, S⇒I, A⇒D, C⇒P, N⇒F, Y⇒K, R⇒W, G⇒A, E⇒H, V⇒Y, U⇒Q, L⇒B, B⇒X, K⇒O, F⇒R, O⇒N, W⇒J, T⇒C, P⇒L, Q⇒E]**

**10) [H⇒Q, X⇒I, D⇒X, J⇒S, I⇒O, M⇒A, Z: C, S⇒W, A⇒R, C⇒D, N⇒T, Y⇒B, R⇒J, G⇒H, E⇒Y, V⇒L, U⇒Z, L⇒K, B⇒P, K⇒E, F⇒N, O⇒G, W⇒F, T⇒U, P⇒V, Q⇒M]**

**11) [H⇒N, X⇒P, D⇒C, J⇒B, I⇒M, M⇒G, Z⇒A, S⇒O, A⇒I, C⇒Y, N⇒R, Y⇒D, R⇒T, G⇒X, E⇒J, V⇒H, U⇒Z, L⇒V, B⇒U, K⇒Q, F⇒E, O⇒W, W⇒K, T⇒L, P⇒F, Q⇒S]**

**12) [H⇒B, X⇒L, D⇒O, J⇒E, I⇒Q, M⇒W, Z⇒C, S⇒H, A⇒Y, C⇒M, N⇒X, Y⇒D, R⇒I, G⇒K, E⇒S, V⇒U, U⇒G, L⇒A, B⇒N, K⇒F, F⇒J, O⇒R, W⇒Z, T⇒T, P⇒P, Q⇒V]**

**The Solutions:**

**1) THE WHOLE PROBLEM WITH THE WORLD IS THAT FOOLS AND FANATICS ARE ALWAYS SO CERTAIN OF THEMSELVES, AND WISER PEOPLE SO FULL OF DOUBTS.**

**2) I CAN WRITE BETTER THAN ANYBODY WHO CAN WRITE FASTER, AND I CAN WRITE FASTER THAN ANYBODY WHO CAN WRITE BETTER.**

**3) A LIE GETS HALFWAY AROUND THE WORLD BEFORE THE TRUTH HAS A CHANCE TO GET ITS PANTS ON.**

**4) THE ARTIST IS NOTHING WITHOUT THE GIFT, BUT THE GIFT IS NOTHING WITHOUT WORK.**

**5) IN THEORY, THERE IS NO DIFFERENCE BETWEEN THEORY AND PRACTICE. BUT IN PRACTICE, THERE IS.**

**6) DO, OR DO NOT. THERE IS NO 'TRY'.**

**7) A MATHEMATICIAN IS A DEVICE FOR TURNING COFFEE INTO THEOREMS.**

**8) DANCING IS SILENT POETRY.**

**9)IF YOU CAN'T GET RID OF THE SKELETON IN YOUR CLOSET, YOU'D BEST TEACH IT TO DANCE.**

**10) I AM READY TO MEET MY MAKER. WHETHER MY MAKER IS PREPARED FOR THE GREAT ORDEAL OF MEETING ME IS ANOTHER MATTER.**

**11) IF YOU CAN COUNT YOUR MONEY, YOU DON'T HAVE A BILLION DOLLARS.**

**12) ONCE YOU ELIMINATE THE IMPOSSIBLE, WHATEVER REMAINS, NO MATTER HOW IMPROBABLE, MUST BE THE TRUTH.**