[](http://www.google.co.uk/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwj779H3wt7KAhWFQBoKHX_bBP8QjRwIBw&url=http://www.bbc.co.uk/history/topics/enigma&bvm=bv.113370389,d.d2s&psig=AFQjCNEObrelDj2bnhai1sdQJ0sBxMvdFw&ust=1454689469175511)

**World War II code masters used fractions to code their information.**

**They would encrypt their messages using decimals and percentages to confuse their enemies. Can you crack the code?**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| A = 4/5 | B = 5/5 | C = 1/10 | D =12/5 | E = 99/100 | F = 19/30 | G =7/5 |
| H =42/100 | **I = 5/6** | **J =47/100** | **K = 5/9** | **L = 4/6** | **M = 4/9** | **N = 6/10** |
| 0 = 5/12 | **P =15/12** | **Q = 1/12** | **R =28/50** | **S =7/8** | **T = 17/30** | **U =13/8** |
| V = 1/2 | **W = 9/7** | **X = 8/11** | **Y = 7/12** | **Z = 6/7** |  |  |

**8. 75% - 0.19=**

**9.133% – 0.7=**

**10. 0.66 – 1/6 =**

**11. 75% + 0.625 =**

**12. 50% + 0.75 =**

**13. 80% + 0.6 =**

**1.5/6 + 40% =**

**2.0.4 + 2% =**

**3.0.49 + 50% =**

**4. 125%– 0.375=**

**5. 1.25 – 33% =**

**6. 150% - 0.66 =**

**7.1.3– 66% =**

**Use this cypher to crack the code**

13

3

12

8

11

1

3

3

2

8

3

10

9

2

4

3

8

6

7

1

6

5

4

1