

The Case:

During the Industrial Revolution it was common practice for children to work in the factories. Johnathan and his younger brother Eli were working late on a Tuesday night. Eli was only seven years old. Johnathan would clean the machines while Eli would tend to the cleaning supplies.

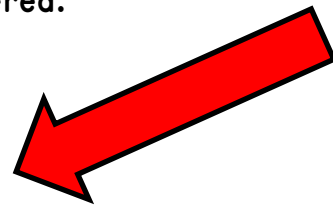
One night, as Eli was filling a bucket with soap, he accidentally switched the power to one of the machines. The machine made a loud noise and began spinning. There was no cloth to spin so the machine just kept running. Johnathan yelled at his little brother and tried to turn off the machine. Each machine had a four digit code to shut the power off. Johnathan did not know the code. Only adult factory workers had access to machine codes, but there were no adults around.

The machine was beginning to smoke. Johnathan and Eli were frightened. They had to do something to shut down the machine. Eli was sent to get help but by that time a small fire had started. Your job is to find the 4 digit code to stop the machines and save the factory.

Mission:

- Visit each decoder and decipher interesting facts about the Industrial Revolution. It does NOT matter which order you decode the puzzles.
- You may NOT turn in the 4 digit code unless all clues have been decoded AND all questions have been answered.

4 Digit Code	
First number of code: The year Henry Ford's car was made on an assembly line MINUS 1906.	_____
Second number of code: Twenty percent of workers in Britain were under the age of _____ MINUS 11.	_____
Third number of code: What number is represented by "....."7	_____
Last number of code: What number is the letter "R" in clue #1?	_____
1. The Industrial Revolution is divided into _____ phases. A. 1 B. 2 C. 3 D. 4	4. The Industrial Revolution began in _____. A. United States B. China C. England D. None of the above
2. Pollution from _____ frequently occurred. A. Pesticides B. Nuclear-waste C. Chemicals D. All of the above	5. Before the Industrial Revolution in Great Britain, most people lived in rural areas and worked on _____. A. Farms B. Planes C. Automobiles D. None of the above
3. Who created the assembly line? A. Bell B. Whitney C. Ford D. None of the above	6. When was the McCormick Reaper invented? A. 1820 B. 1830 C. 1840 D. 1850



A =

N = 3

B =

O = 20

C =

P =

D =

Q =

E = 26

R =

F =

S = 16

G =

T =

H =

U = 25

I =

V = 2

J =

W =

K =

X =

L = 8

Y =

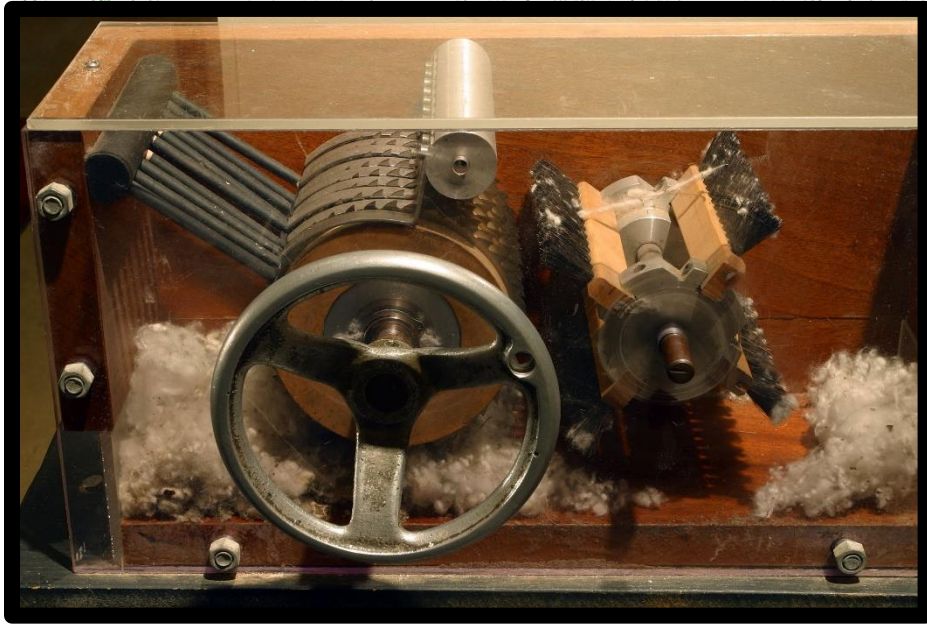
M =

Z =

Clue # 1



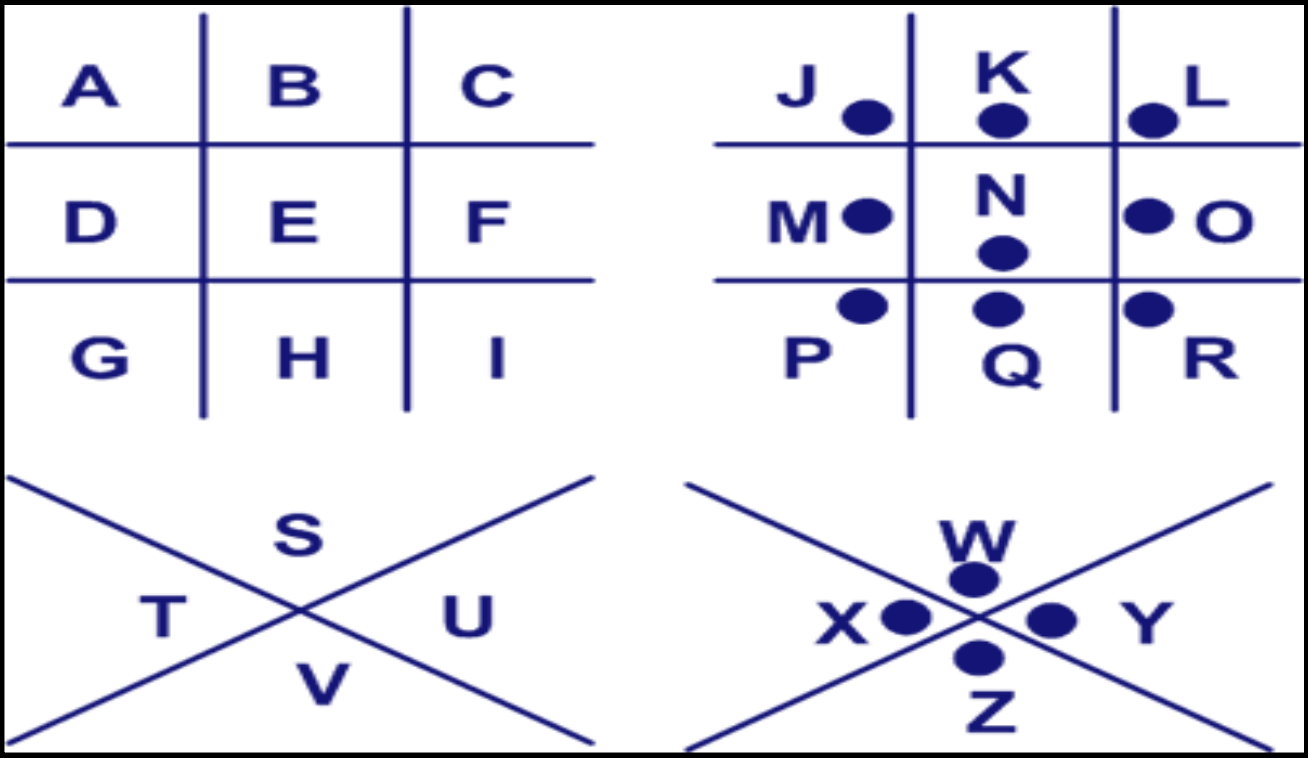
Clue # 2



A ● ■
B ■ ● ● ●
C ■ ● ■ ●
D ■ ● ●
E ●
F ● ● ■ ●
G ■ ■ ●
H ● ● ● ●
I ● ●
J ● ■ ■ ■
K ■ ● ■
L ● ■ ● ●
M ■ ■
N ■ ●
O ■ ■ ■
P ● ■ ■ ●
Q ■ ■ ● ■
R ● ■ ●
S ● ● ●
T ■

U ● ● ■
V ● ● ● ■
W ● ■ ■
X ■ ● ● ■
Y ■ ● ■ ■
Z ■ ■ ● ●

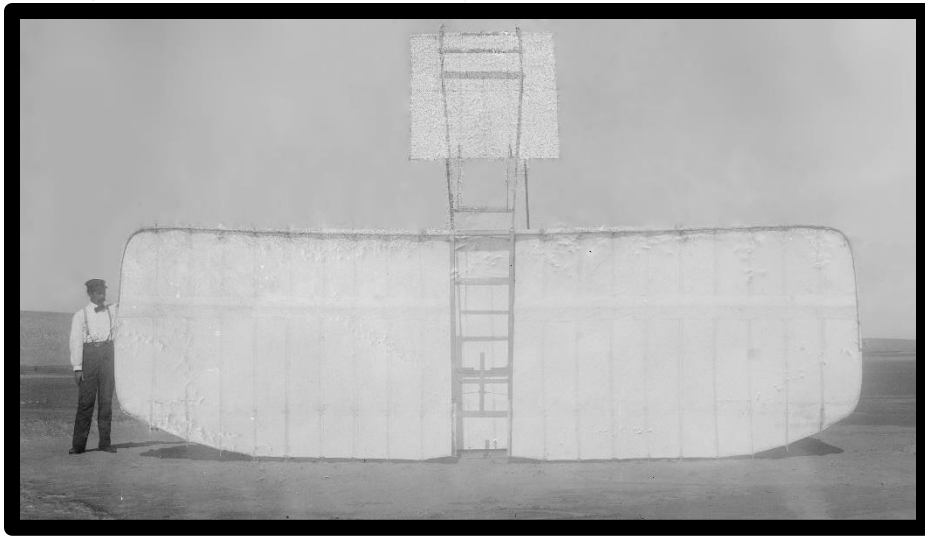
1 ● ■ ■ ■ ■
2 ● ● ■ ■ ■
3 ● ● ● ■ ■
4 ● ● ● ● ■
5 ● ● ● ● ●
6 ■ ● ● ● ●
7 ■ ■ ● ● ●
8 ■ ■ ■ ● ●
9 ■ ■ ■ ■ ■ ●
0 ■ ■ ■ ■ ■



Clue # 3



Clue # 4



	1	2	3	4	5
1	D	B	E		C
2	K		H	I/J	F
3		P	N	O	M
4	T	R		Q	S
5		Z	X	V	W