



EPEA516

ANALYTICAL SKILLS II

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Learning Outcomes



After this lecture, you will be able to

- develop understanding about the basics of number and symbol coding,
- analyze different types of number and symbol coding,
- solve various problems relating to number and symbol coding.

Number Coding

- Numerical Codes
 - Alphabetic Letters
 - Words
 - Correlation
 - Letters - Numbers
 - Pattern

Number Coding

- If in a certain code language 'GATE' is written as '33' , then how will 'PHONE' be written in that language?

$$\begin{array}{ccccccc} \bullet & G & A & T & E & - & 33 \\ & \downarrow & \downarrow & \downarrow & \downarrow & & \\ \bullet & 7 & + & 1 & + & 20 & + & 5 & = & 33 \end{array}$$

$$\begin{array}{ccccccc} \bullet & P & H & O & N & E & \\ & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \\ \bullet & 16 & + & 8 & + & 15 & + & 14 & + & 5 & = & 58 \end{array}$$

Number Coding

- If $G = 7$ and $GAP = 24$, then $ROCK = ?$

- $G = 7$

- $G \quad A \quad P \quad = 24$

- $\begin{array}{c} \downarrow \\ 7 \end{array} + \begin{array}{c} \downarrow \\ 1 \end{array} + \begin{array}{c} \downarrow \\ 16 \end{array}$

- $R \quad O \quad C \quad K$

- $\begin{array}{c} \downarrow \\ 18 \end{array} + \begin{array}{c} \downarrow \\ 15 \end{array} + \begin{array}{c} \downarrow \\ 3 \end{array} + \begin{array}{c} \downarrow \\ 11 \end{array} = 47$

Number Coding

- If in a certain code language 'RIGHT' is written as '1897820' then how will 'WRONG' be written in that language?

• R	I	G	H	T
↓	↓	↓	↓	↓
• 18	9	7	8	20

• W	R	O	N	G
↓	↓	↓	↓	↓
• 23	18	15	14	7

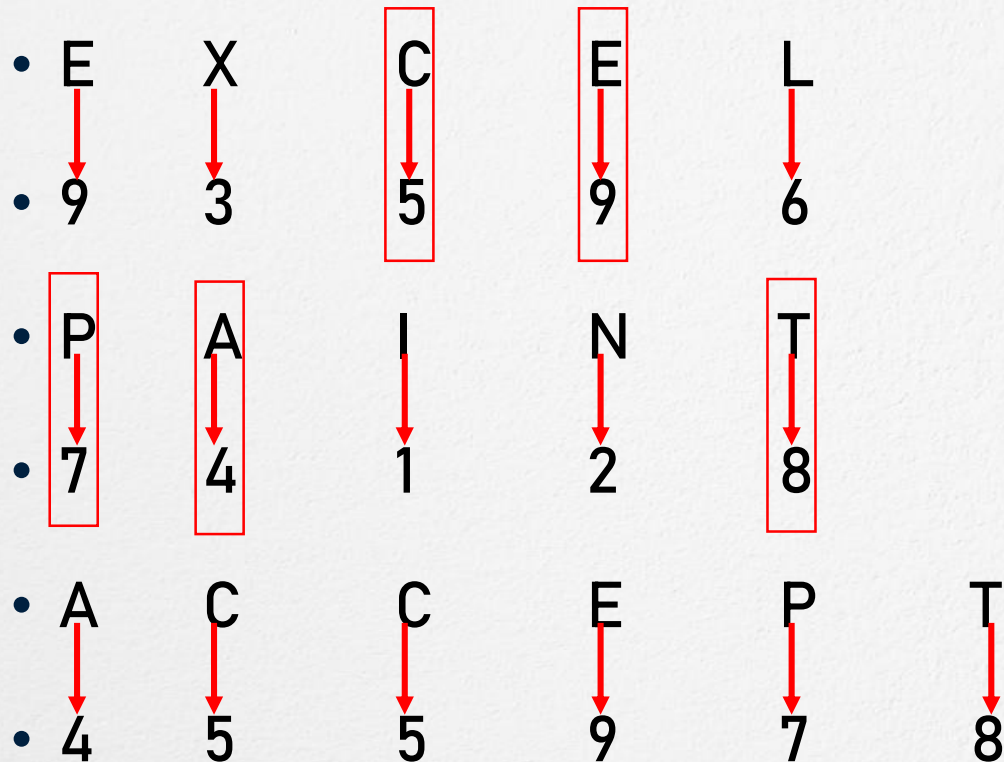
Number Coding

- If in a certain code language 'CREATOR' is written as '24922267129' then how will 'FIGHTER' be written in that language?

•	C	R	E	A	T	O	R
	↓	↓	↓	↓	↓	↓	↓
•	24	9	22	26	7	12	9
•	F	I	G	H	T	E	R
	↓	↓	↓	↓	↓	↓	↓
•	21	18	20	19	7	22	9

Number Coding

- If 'EXCEL' and 'PAINT' are coded as '93596' and '74128' respectively, then how is 'ACCEPT' coded?



Number Coding

- If 'MEET' is coded as '135520' then how is 'WOOD' coded?

• M	E	E	T
↓	↓	↓	↓
• 13	5	5	20

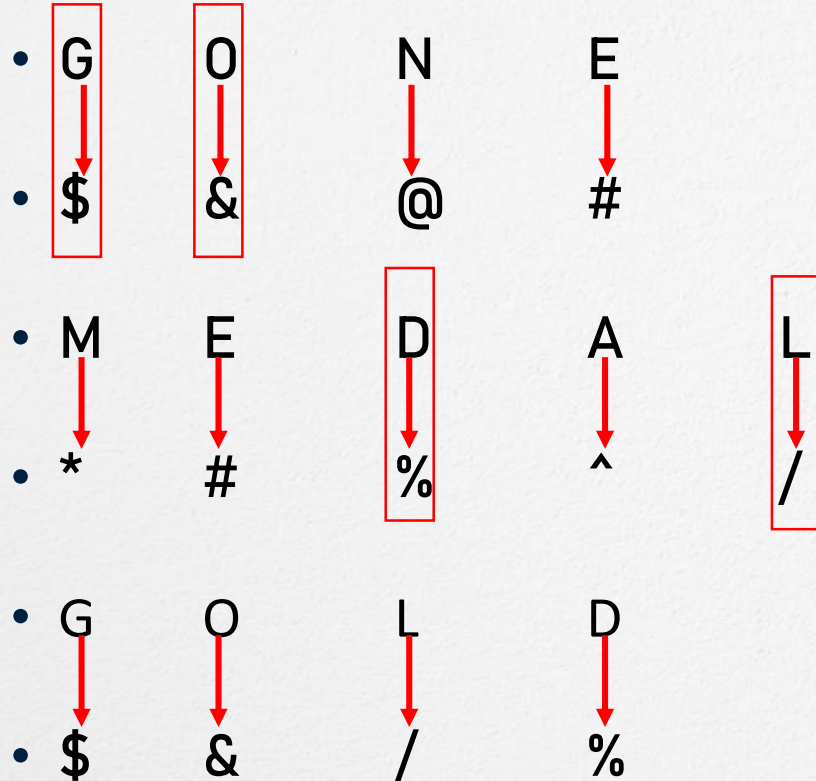
• W	O	O	D
↓	↓	↓	↓
• 23	15	15	4

Symbol Coding

- Symbols
 - Letters
 - Words
 - Correlation/Similarity
 - Rule/Pattern

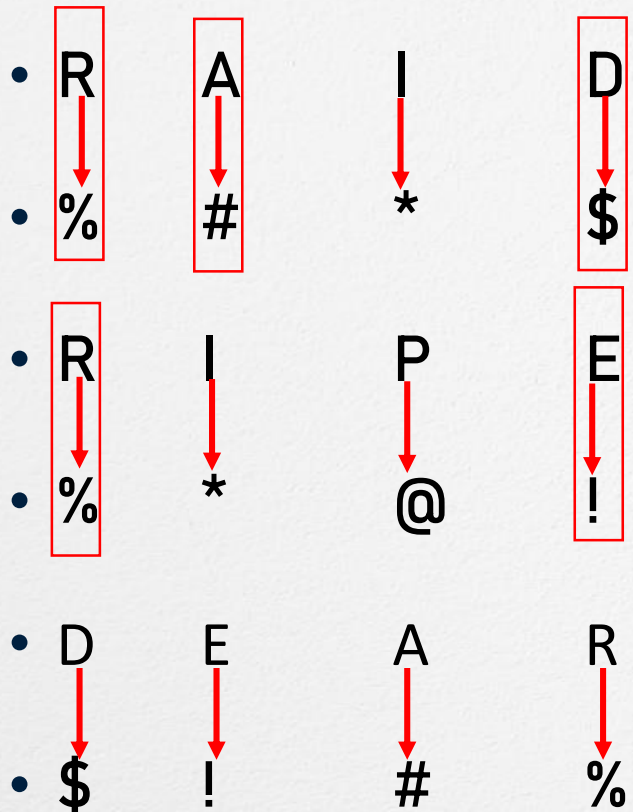
Symbol Coding

- In a certain code 'GONE' is written as '\$&@#' and 'MEDAL' is written as '*#%^/', then how will 'GOLD' be written in that code?



Symbol Coding

- In a certain code, 'RAID' is written as '%#*\$' and 'RIPE' is written as '% * @ !'. How is DEAR written up in that code?



Conclusion

- Number Coding
 - Numerical Codes - Letters
- Symbol Coding
 - Symbols - Letters

Summary

- Number Coding
- Symbol Coding

That's all for now...