

$$\underline{3 \times 3}$$

$$\begin{array}{r} 987 \\ \times 654 \\ \hline \underline{645498} \end{array}$$

$$\begin{array}{l} 2 \checkmark \\ 6 \checkmark \\ 12 \checkmark \\ 10 \checkmark \end{array}$$

$$\begin{array}{r} 957 \\ 684 \\ \hline \end{array}$$

$$1) \begin{array}{r} 7 \\ \times 4 \\ \hline 28 \end{array}$$

$$2) \begin{array}{r} 87 \\ 5 \times 4 \\ \hline 32 + 35 \\ = 67 \end{array}$$

$$3) \begin{array}{r} \cancel{987} \\ \cancel{654} \\ \hline 36 + 42 + 40 \\ = 118 \end{array}$$

$$4) \begin{array}{r} 9 \times 8 \\ 6 \times 5 \\ \hline 45 + 48 \\ = 93 \end{array}$$

$$5) \begin{array}{r} 9 \\ \times 6 \\ \hline 54 \end{array}$$

DATA INTERPRETATION (4 Topics, 12 Hours)

- 1) Tables (5 hours)
- 2) Graphs (5 hours)
- 3) Bar Charts (2 hours)
- 4) Pie Charts (2 hours)

LOGICAL REASONING (8 Topics, 15 Hours)

- 1) Linear Arrangements (3 hours)
- 2) Circular Arrangements (2 hours)
- 3) Venn Diagrams (3 hours)
- 4) Syllogisms & Deductions (2 hours)
- 5) Clocks & Calendars (2 hours)
- 6) Directions (1 hour)
- 7) Blood Relations (2 hours)
- 8) Odd man out (3 hours)

Add

<u>Rec</u>	<u>DV</u>	<u>%V</u>
$\frac{1}{1}$	1	100%.
$\frac{1}{2}$	0.50	50%.
$\frac{1}{3}$	0.33	33.33%.
$\frac{1}{4}$	0.25	25%.
$\frac{1}{5}$	0.20	20%.
$\frac{1}{6}$	0.17	16.67%.
$\frac{1}{7}$	0.14	14.28%.

8) $\frac{1}{8}$	0.12	12.50%.	<u>Add/Subst</u>
9) $\frac{1}{9}$	0.11	11.11%.	
10) $\frac{1}{10}$	0.10	10%.	
11) $\frac{1}{11}$	0.09	9.09%.	
12) $\frac{1}{12}$	0.08	8.33%.	

$$\begin{array}{r}
 864598 \\
 392013 \\
 469989 \\
 394097 \\
 763299 \\
 \hline
 2883996
 \end{array}$$

$5 \times 6 = 30$ inc ~~45~~
 $5 \times 3 = 15$ inc
 $5 \times 5 = 25$ inc
 $5 \times 4 = 20$ inc
 $5 \times 2 = 10$ inc
 $5 \times 1 = 5$ inc

$$\begin{array}{r}
 29 \\
 54 \\
 92 \\
 36 \\
 81 \\
 92 \\
 \hline
 388
 \end{array}$$

2x2 Mult

2 dig Sq

3x3 Mult

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

Ans

153
- 68
5

2x2

9 8
x 7 6
74 48

6✓
10✓

7 9
6 7
5293

④✓
⑪✓

✓ 1) 8
x 6
48

✓ 2) 9 8
x 7 6
54 + 56
= 110

✓ 3) 9
x 7
63

7
x 9
63

588
686
7448

7 9
6 7
49 + 54
= 103

812 ✓ 3x3

81
81
6561

1) 7
x 4
28

$$\begin{array}{r} 57 \\ \times 84 \\ \hline 588 \end{array}$$

$$\begin{array}{r} 9 \\ \times 6 \\ \hline 54 \end{array}$$

$$\begin{array}{r} 807 \\ 321 \\ \hline 259047 \end{array}$$

$$123^2 =$$

$$\begin{array}{r} 123 \\ 123 \\ \hline 15129 \end{array}$$

3x2

$$\begin{array}{r} 987 \\ \times 065 \\ \hline 64155 \end{array}$$

3x8=24

$$\begin{array}{r} 23 \\ \times 23 \\ \hline 529 \end{array}$$

$$\begin{array}{r} 23 \\ \times 023 \\ \hline 12167 \end{array}$$

23³ = 12167

59³ = 205379

(a+b)³ = a³ + 3a²b + 3ab² + b³