



# Number Analogies

CogAT Comprehensive Class

# Type 1 : subtract

- $4 \rightarrow 1$        $8 \rightarrow 5$        $12 \rightarrow \underline{\quad}$

## Type 2 : add

• 6 → 15      1 → 10      9 → \_\_\_\_\_

## Type 3: multiply

•  $10 \rightarrow 20$        $20 \rightarrow 40$        $40 \rightarrow \underline{\hspace{2cm}}$

•  $10 \rightarrow 50$        $3 \rightarrow 15$        $7 \rightarrow \underline{\hspace{2cm}}$

# Type 4 : divide

- $12 \rightarrow 6$        $14 \rightarrow 7$        $6 \rightarrow \underline{\quad}$

## Type 5 : other

- $5 \rightarrow 5$     $7 \rightarrow 7$     $2 \rightarrow \underline{\hspace{2cm}}$  (identity property)

Multiply any number by 1 and you get the original number

- $5 \rightarrow 0$     $6 \rightarrow 0$     $14 \rightarrow \underline{\hspace{2cm}}$  (zero property)

multiply by zero and the answer is always zero