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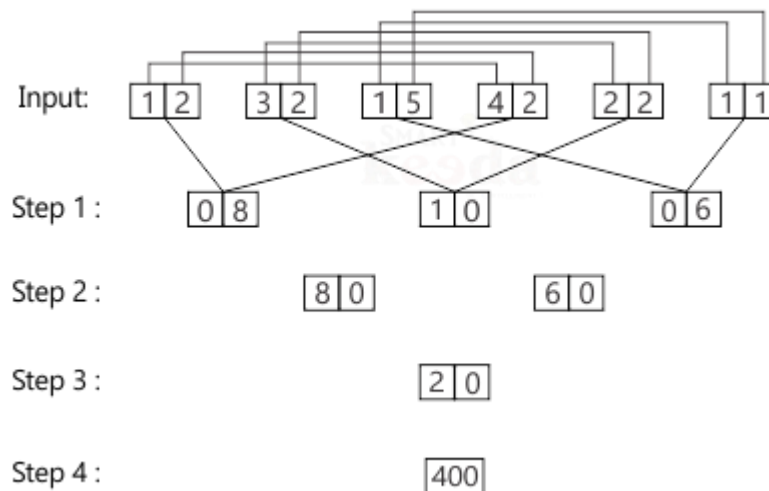
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Sequential Output Tracing Questions for SBI Clerk Mains, IBPS Clerk Mains, RBI Assistant Mains, LIC AAO, SBI PO Pre, IBPS PO Pre and RRB Scale I Pre Exams.

Set 35

Directions: Read the given information carefully and answer the questions given beside:

The first step is the resultant of the product and sum of the digits in input as per the lines indicated. Further steps are obtained by applying certain logic. Numbers of step II have been obtained by using at least 1 digit of each number in step 1. Each step is a resultant of previous step.



Questions :

1. Which one of the following is half of the value obtained in final step?

- A. 151250 B. 142870 C. 160080 D. 202500 E. None of these

2. Which one of the following is a number obtained in step II?

- A. 1550 B. 1650 C. 1200 D. 1100 E. None of these

3. Find the difference of the numbers obtained in step II?

- A. 660 B. 550 C. 630 D. 420 E. None of these

4. Which one of the following is one of the numbers obtained in step I ?

- A. 32 B. 44 C. 56 D. 50 E. None of these

5. Which one of the following is the required final step?

- A. Step V B. Step VI C. Step IV D. Step VII E. None of these

Correct Answers:

1	2	3	4	5
A	A	B	D	C

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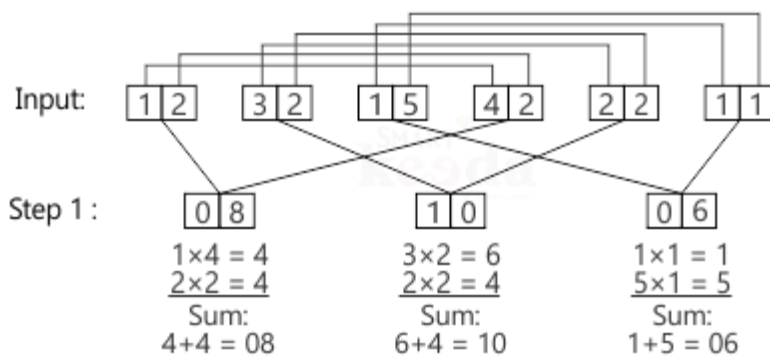


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The Question Bank

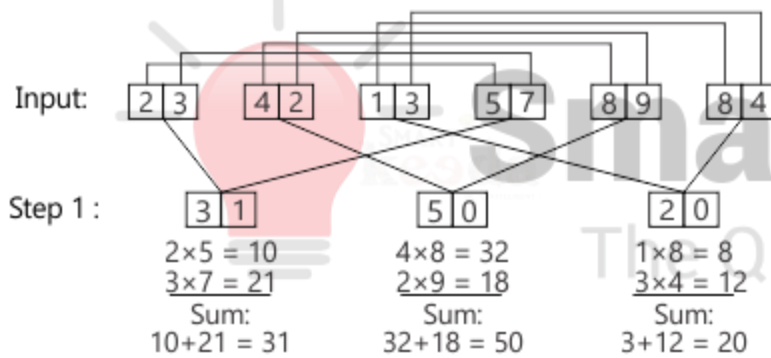
Common Explanations:

Reference:

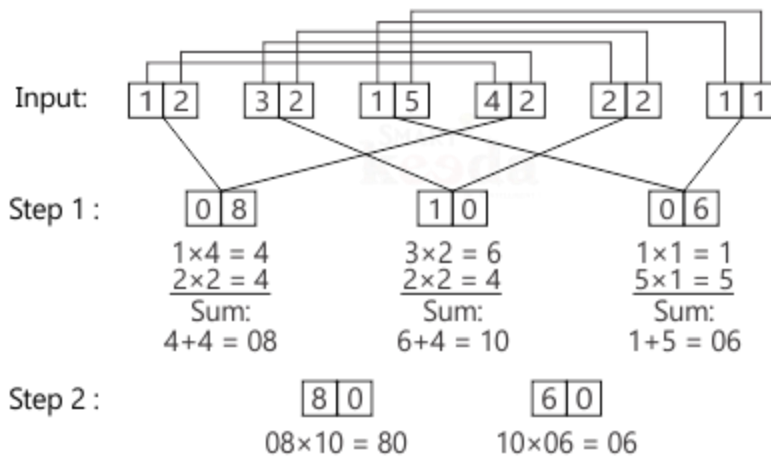


Inference:

Digits are first multiplied and then are added before writing in the box of next step.

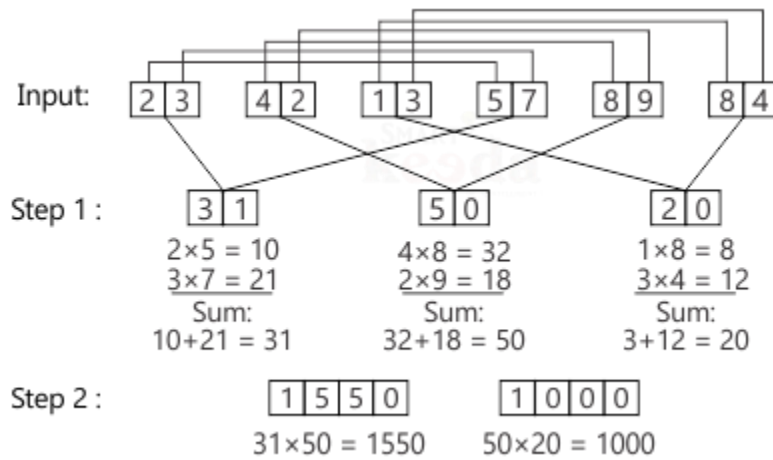


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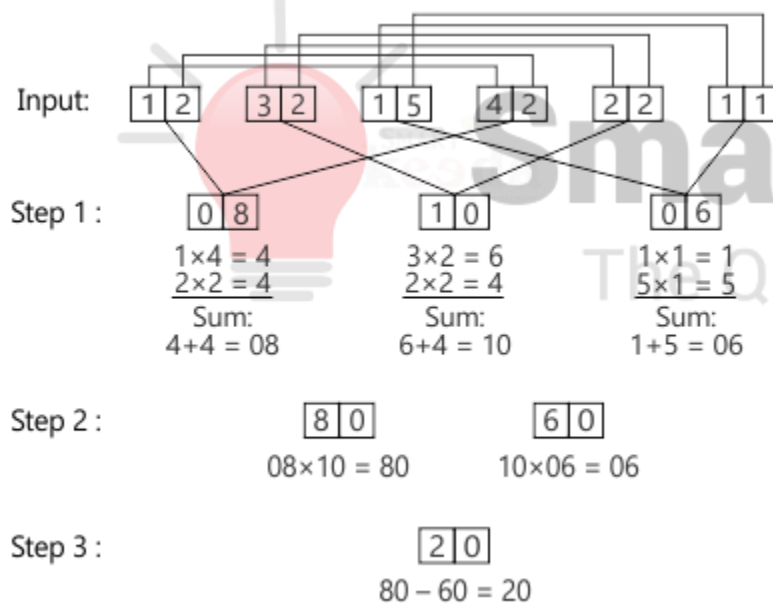


Inference:

Numbers are multiplied keeping the middle box common.



Reference:



Inference:

Numbers written in the boxes are subtracted.



Step 1 :

$\begin{array}{ c c } \hline 3 & 1 \\ \hline \end{array}$	$\begin{array}{ c c } \hline 5 & 0 \\ \hline \end{array}$	$\begin{array}{ c c } \hline 2 & 0 \\ \hline \end{array}$
$2 \times 5 = 10$	$4 \times 8 = 32$	$1 \times 8 = 8$
$3 \times 7 = 21$	$2 \times 9 = 18$	$3 \times 4 = 12$
Sum:	Sum:	Sum:
$10 + 21 = 31$	$32 + 18 = 50$	$8 + 12 = 20$

Step 2 :

$\begin{array}{ c c c c } \hline 1 & 5 & 5 & 0 \\ \hline \end{array}$	$\begin{array}{ c c c c } \hline 1 & 0 & 0 & 0 \\ \hline \end{array}$
$31 \times 50 = 1550$	$50 \times 20 = 1000$

Step 3 :

$\begin{array}{ c c c } \hline 5 & 5 & 0 \\ \hline \end{array}$
$1550 - 1000 = 550$

Reference:



Step 1 :

$\begin{array}{ c c } \hline 0 & 8 \\ \hline \end{array}$	$\begin{array}{ c c } \hline 1 & 0 \\ \hline \end{array}$	$\begin{array}{ c c } \hline 0 & 6 \\ \hline \end{array}$
$1 \times 4 = 4$	$3 \times 2 = 6$	$1 \times 1 = 1$
$2 \times 2 = 4$	$2 \times 2 = 4$	$5 \times 1 = 5$
Sum:	Sum:	Sum:
$4 + 4 = 08$	$6 + 4 = 10$	$1 + 5 = 06$

Step 2 :

$\begin{array}{ c c } \hline 8 & 0 \\ \hline \end{array}$	$\begin{array}{ c c } \hline 6 & 0 \\ \hline \end{array}$
$08 \times 10 = 80$	$10 \times 06 = 06$

Step 3 :

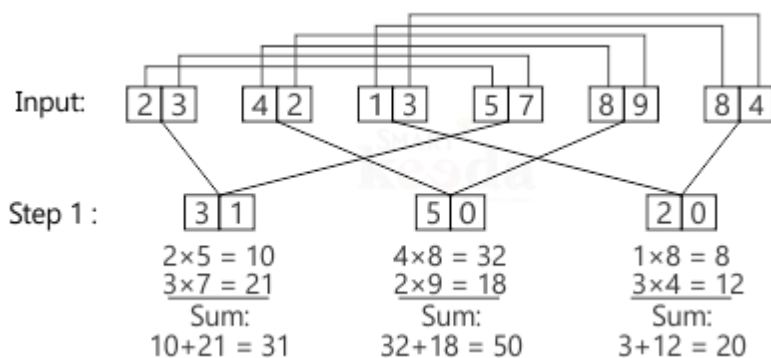
$\begin{array}{ c c } \hline 2 & 0 \\ \hline \end{array}$
$80 - 60 = 20$

Step 4 :

$\begin{array}{ c c c } \hline 4 & 0 & 0 \\ \hline \end{array}$
$(20)^2 = 400$

Inference:

Number is now squared to get the final output.



Step 2:

1	5	5	0
---	---	---	---

1	0	0	0
---	---	---	---

$31 \times 50 = 1550$
 $50 \times 20 = 1000$

Step 3:

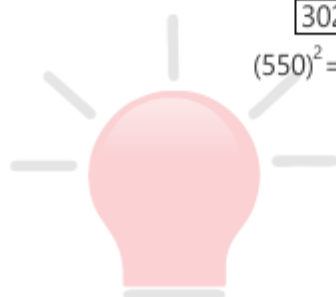
5	5	0
---	---	---

$$1550 - 1000 = 550$$

Step 4:

3	0	2	5	0	0
---	---	---	---	---	---

$$(550)^2 = 302500$$



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1. 151250 is half of the value obtained in final step.

Option A, is hence the correct answer.

2. 1550 is one of the numbers obtained in step II.

Option A, is hence the correct answer.

3. As, $1550 - 1000 = 550$.

So, the Difference between the numbers obtained in step II is 550.

Option B, is hence the correct answer..

4. 50 is one of the numbers obtained in step I.

Option D, is hence the correct answer.

5. Step IV is the required final step.

Option C, is hence the correct answer.

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