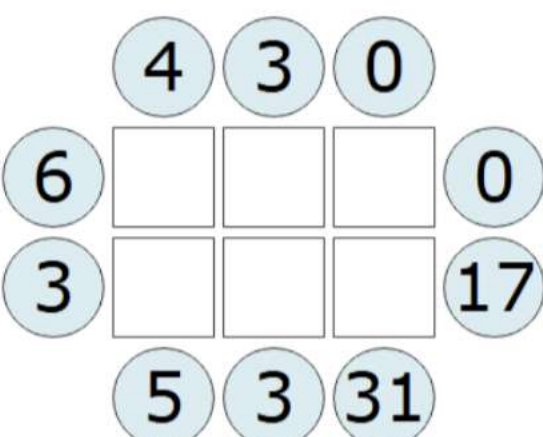
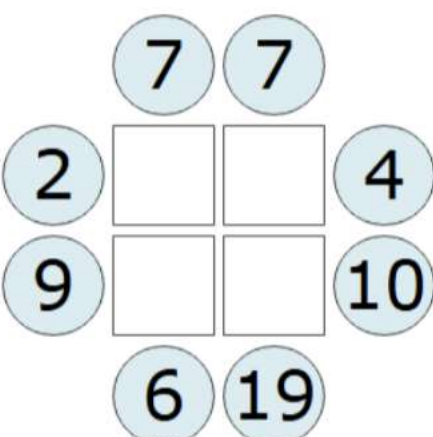
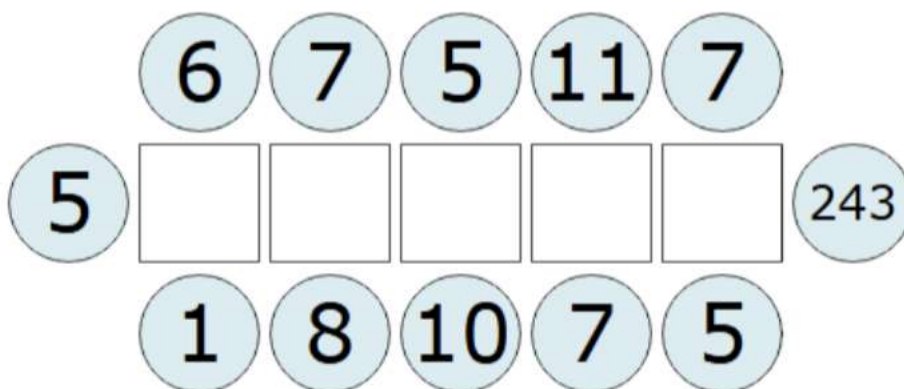
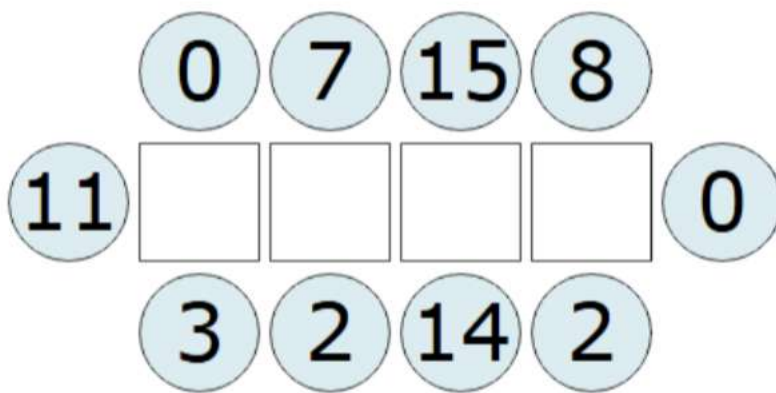
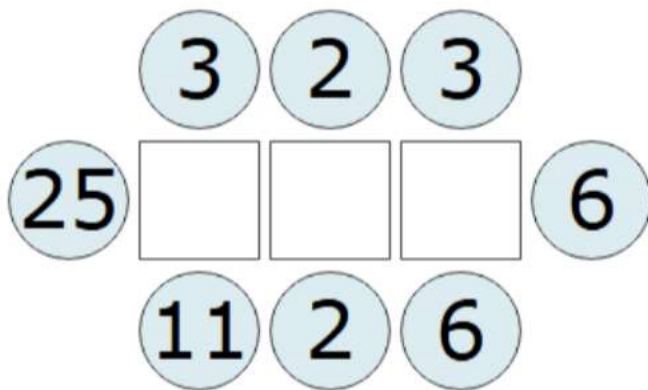




In these challenges, the number in each square is the average (mean) of the four numbers surrounding it.

Can you find the whole number that belongs in each square?



1417126

Connecting Averages

1) 3 2 3
 25 | A → 11 | B → 5 | C → 5 | 6 | ⇒ If you check
 11 2 6 { $11 \times 4 = 44$ so $25 + 11 + 3 =$
 39 so what $+ 39 = 44$? 5 so you
 write 5 in box B and 11 in
 box A. Now $5 \times 4 = 20$ and what
 $11 + 2 + 2$? 15 and what $+ 15$ gives
 you 20 ? 5 so you keep five in
 box ~~C~~. And in the end check if
 $5 + 6 + 6 + 3$ is giving you 20 as five
 into 4 gives you 20.

2)

0	7	15	8
5	6	16	5
↑	↑	↑	↑
A	B	C	D
3	2	14	2

 ⇒ If you check
 $5 \times 4 = 20$ and
 $11 + 3 + 0 = 14$ so
 what $+ 14 = 20$?
 6 so you put 6 in box B.
 In box A you will put 5.
 Next $6 \times 4 = 24$ and ~~what~~ $5 + 2 + 7 =$

14 so what ~~is~~ + 14 = 24 ? 10

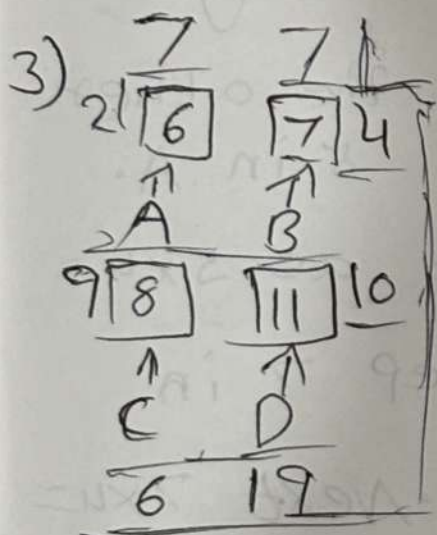
So you put 10 in box C. Next

~~is~~ $10 \times 4 = 40$ and what is

$14 + 6 + 15 = 35$ so what + 35 gives you 40 ? 5 so you put 5

in box D. In the end check

$10 + 8 + 2 + 0 = 20$ as $5 \times 4 = 20$.



→ If you check
 $6 \times 4 = 24$ and $7 + 2 = 9$
So what + 9 = 24 ?
15 so you keep 7 in
box B and 8 in box

~~C~~ C. Next you check $7 \times 4 = 28$

so you try and see what is $6 + 7 + 4$
 $= 17$ and ~~15~~ 28 so you keep

11 in box D. ~~Next~~ Next check what
is $8 \times 4 = 32$, ~~11~~ $11 + 6 + 9 + 6 = 32$

So you keep 8 in box C.

Now $11 \times 4 = 44$ and if you add

$8 + 7 + 10 + 19$ which is 44.

4) 6

	4	3	0	
	5	5	5	0
	↑	↑	↑	
	A	B	C	
3	5	7	15	17
	↑	↑	↑	
	D	E	F	
	5	3	31	

→ If you check $5 \times 4 = 20$ and $6 + 4 = 10$ so what ~~is~~ +

10 gives you 20? 10 so you keep one 5 in B and the other in D. And you also keep 5 in A.

Next what $+ 8 = 20$ as $5 \times 4 = 20$? 12 so you keep 7 in the E and 5 in ~~A~~ A. Next $7 \times 4 = 28$ and what is $5 + 5 + 3 = ?$ 13 and what $+ 13 = ?$ 28? 15 so you keep 15 in F and in the last check is $5 + 7 + 15 + 31 = 60$ as $15 \times 4 = 60$.