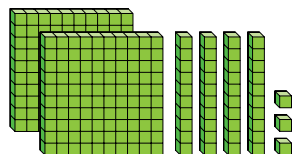


You can use mental math to add 10 or 100 to three-digit numbers.

Find $243 + 10$.
Find $243 + 100$.

How can I add 10 or 100 mentally?



243



Adding 10 makes the **tens** digit go up by 1.

I know $4 + 1 = 5$.

So, $243 + 10 = 253$.

Adding 100 makes the **hundreds** digit go up by 1.

I know $2 + 1 = 3$.

So, $243 + 100 = 343$.



Sometimes adding 10 changes the **tens** and **hundreds** digits. Find $290 + 10$.

I know $290 = 29$ tens.
 29 tens + 1 ten = 30 tens or 300 .

So, $290 + 10 = 300$.



Do You Understand?

Show Me! Use mental math to find $567 + 10$ and $567 + 100$. Explain your reasoning.

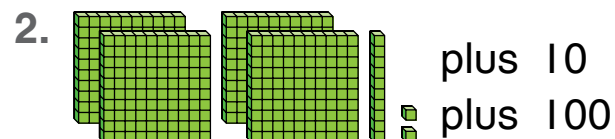
☆ Guided Practice ☆

Add using mental math. Use models if needed.



$$325 + 10 = 335$$

$$325 + 100 = 425$$



$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

3. $900 + 10 = \underline{\quad}$

$$900 + 100 = \underline{\quad}$$

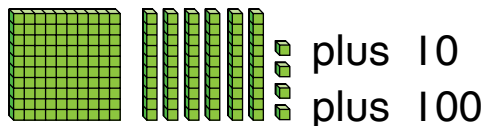
4. $790 + 10 = \underline{\quad}$

$$790 + 100 = \underline{\quad}$$

Independent Practice

Add using mental math. Use models if needed.

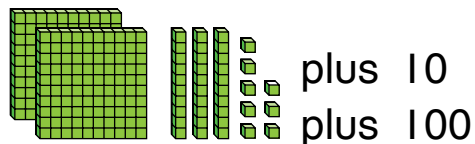
5.



$$\underline{\quad\quad} + \underline{\quad\quad} = \underline{\quad\quad}$$

$$\underline{\quad\quad} + \underline{\quad\quad} = \underline{\quad\quad}$$

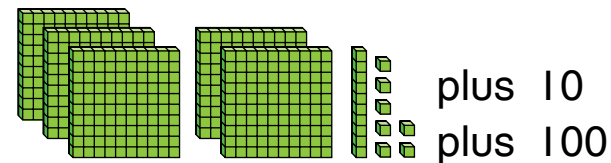
6.



$$\underline{\quad\quad} + \underline{\quad\quad} = \underline{\quad\quad}$$

$$\underline{\quad\quad} + \underline{\quad\quad} = \underline{\quad\quad}$$

7.



$$\underline{\quad\quad} + \underline{\quad\quad} = \underline{\quad\quad}$$

$$\underline{\quad\quad} + \underline{\quad\quad} = \underline{\quad\quad}$$

8. $391 + 10 = \underline{\quad\quad}$

9. $693 + 100 = \underline{\quad\quad}$

10. $803 + 100 = \underline{\quad\quad}$

11. $460 + 10 = \underline{\quad\quad}$

12. $185 + 10 = \underline{\quad\quad}$

13. $723 + 100 = \underline{\quad\quad}$

Algebra Find the missing numbers. Use mental math to solve.

14. $572 + \square = 672$

15. $285 + \square = 385$

16. $709 = 699 + \square$

17. $322 + \square = 422$

18. $615 + \square = 625$

19. $\square + 590 = 600$

