



09.11.23

MPI: Using compensation to solve simple additions

1) Is this statement true or false? Circle the answer and explain your reasoning.

Adding 99 is the same as adding 100 and subtracting 1.

True

False

Using compensation, solve:

2) $324 + 99 =$

3) $5209 + 99 =$

4) $274 + 90 =$

5) $125 + 249 =$

6) $623 + 92 =$

Remember to show how you are using compensation to solve these prob-



7) Why is it more efficient to use compensation than column method to solve $3,724 + 999$?

8) Why is it more efficient to use compensation than column method to solve $3,724 + 990$?



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MPI: Using compensation to solve simple addition calculations

Challenge Worksheet: only do this worksheet after you have finished your first worksheet.

1) Using compensation, solve $480 + 80$. Show your work.

2) Using compensation, solve $223 + 73$. Show your work.

3) Look at your answer for question 2. Is using compensation here efficient? If yes, why? If not, what would be a more efficient model to solve that problem? Show your work and ex-

5) Stretch yourself! How would you solve $145 - 99$ using compensation?