Inverse operations (addition and subtraction)

1. Ron wants to check this addition calculation.

   \[320 + 719 = 1,039\]

   Circle the subtractions that can be used to check Ron's addition.

   - 1,039 – 719
   - 719 – 320

2. Dora wants to check this subtraction calculation.

   \[4,096 – 2,356 = 1,740\]

   Circle the addition that can be used to check Dora's subtraction.

   - 4,096 + 2,356
   - 1,740 + 2,356

3. Use an inverse operation to check these calculations.

   a)
   \[
   \begin{array}{cccc}
   1 & 3 & 6 & 0 \\
   + & 2 & 9 & 7 & 3 \\
   \hline
   4 & 3 & 3 & 3 \\
   \end{array}
   \]

   b)
   \[
   \begin{array}{cccc}
   8 & 2 & 6 & 4 \\
   - & 3 & 1 & 4 & 2 \\
   \hline
   5 & 1 & 2 & 2 \\
   \end{array}
   \]

4. Tommy works out 12,350 + 7,903 incorrectly.

   \[
   \begin{array}{cccc}
   1 & 2 & 3 & 5 & 0 \\
   + & 7 & 9 & 0 & 3 \\
   \hline
   9 & 1 & 3 & 8 & 0 \\
   \end{array}
   \]

   Tommy checks his calculation using the same addition. Is this a good idea? Talk about it with a partner. What calculation should he do? Correct Tommy’s answer.
5 Match the inverse calculations.

- $2,482 + 6,428 = 8,912$
- $5,271 + 4,212 = 9,483$
- $5,984 - 3,172 = 2,812$
- $8,912 - 6,428 = 2,482$
- $9,483 - 5,271 = 4,212$
- $8,912 - 5,271 = 3,641$
- $8,912 = 3,641 + 5,271$
- $5,984 = 3,172 + 2,812$

6 Complete the calculations.

Use inverse operations to check your answers.

a) $763 + 4,072 = \square$

b) $8,711 - 1,053 = \square$