## tutorified

## 4.NBT.B.4 Estimate Sums and Differences

4.NBT.B.4: Fluently add and subtract multi-digit whole numbers using the standard algorithm.

1. Use front-end estimation to estimate.
a. 8,142
c. 6,420
e. 50,423
$-7,123$
$+2,028$
$+21,903$
b. $\begin{array}{r}5,630 \\ +4,812 \\ \hline\end{array}$
d. $\quad 3,710$
f. 942
$+2,294$
$-623$
2. Use rounding to the nearest thousand to estimate.
a. 18,654
c. 23,142
$+12,423$
$\begin{array}{r}7,967 \\ \hline\end{array}$
e. 84,129
$\begin{array}{r}1,730 \\ \hline\end{array}$
b. 88,562
d. 28,807
$\begin{array}{r}-74,514 \\ \hline\end{array}$
$\begin{array}{r}-22,756 \\ \hline\end{array}$
f. 65,442

- 37,908

3. Last month, Ken earned 1,945 points in Math exam. This month, he has already earned 1,055 points. About how many points had Ken earned in total since last month?
4. Total number of visitors in Zion National Park is 2,409,874 in 2017. At the same time, visitors in Arches National Park is $1,590,126$. Estimate the sum and the difference of these parks.

## Solution:

## Solution:

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yesterday. They have already sold 362 cupcakes today. About how many pieces of cupcakes in all they have sold so far?
A. 500
B. 600
C. 700
D. 800
6. Guess two numbers whose estimated sum is 900 and estmated difference is 100 .

## Solution:

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## Answer Key

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3. Last month, Ken earned 1,945 points in Math exam. This month, he has already earned 1,055 points. About how many points had Ken earned in total since last month?
4. Total number of visitors in Zion National Park is $2,409,874$ in 2017. At the same time, visitors in Arches National Park is $1,590,126$. Estimate the sum and the difference of these parks.
5. Maureen and her friends sold 438 pieces of cupcakes yesterday. They have already sold 362 cupcakes today. About how many pieces of cupcakes in all they have sold so far?
A. 500
B. 600
C. 700
D. 800
6. Guess two numbers whose estimated sum is 900 and estmated difference is 100.

## Solution:

501 and 403

