

Name: ..... Class: .....

## Estimate sums word problems

1. Yesterday, Paul and his friends, Kevin and Boris went to the beach. Paul collected 587 seashells, Kevin collected twice as many seashells as Paul. Also Boris collected 27 seashells less than Paul. To the nearest hundred, about how many seashells did they collect in all?



2. There were 346 pencils in the drawer. If Nancy placed 99 more pencils in the drawer, estimate to the nearest ten how many pencils are in the drawer now.

3. Last year, Mike harvested 9,927 watermelons from his large watermelon farm. This year, he harvested 8,296 watermelons. To the nearest hundred, about how many watermelons did he harvest last year and this year in all?



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Let's first of all write down the formation given

Number of seashells Paul collected = 587

Number of seashells Kevin collected = 2 times as many seashells as Paul  
 =  $587 \times 2 = 1,174$  seashells

Number of seashells Boris collected = 27 seashells less than Paul  
 =  $587 - 27 = 560$  seashells

Now let's round each number to the nearest hundred

$$587 + 1,174 + 560 \cong ?$$

$$\begin{array}{r} \downarrow \quad \downarrow \quad \downarrow \\ 600 + 1,200 + 600 = 2,400 \end{array}$$

So, they collected about 2,400 seashells in all.



2. There were 346 pencils in the drawer. If Nancy placed 99 more pencils in the drawer, estimate to the nearest ten how many pencils are in the drawer now.

Let's round each number to the nearest ten, and then add.

$$346 + 99 \cong ?$$

$$\begin{array}{r} \downarrow \quad \downarrow \\ 350 + 100 = 450 \end{array}$$

So, about 450 pencils are in the drawer now.

3. Last year, Mike harvested 9,927 watermelons from his large watermelon farm. This year, he harvested 8,296 watermelons. To the nearest hundred, about how many watermelons did he harvest last year and this year in all?

Let's round each number to the nearest hundred, and then add.

$$9,927 + 8,296 \cong ?$$

$$\begin{array}{r} \downarrow \quad \downarrow \\ 9,900 + 8,300 = 18,200 \end{array}$$

Therefore, he harvested about 18,200 watermelons in all.

