

Name: _____

Date: _____

Number Estimate

⌘ Estimating number is telling approximate number. Rounding up and rounding down is one way to estimate number.

⌘ When estimating numbers, refer to previous place value.

⌘ If the previous place value is 0-4 then round down/the number remains same. $\underline{5}4 \rightarrow 50$

⌘ If the previous place value is 5-9 then round up/add 1 to the number. $\underline{5}6 \rightarrow 60$

Solve the following word problems

A. In a forest, there were 384 trees. Next year the tree count was 624. Using sum estimate, how find out how many new trees grew in a year?

Answer:

- A. 240
- B. 300
- C. 200

Show your work here:

B. The City library had 2,568 children's fiction books and 3,470 non-fiction books. Using sum estimate, how many children's books are in the library?

Answer:

- A. 6,000
- B. 6,020
- C. 6,038

Show your work here:

B. ABC Elementary School has 4,687 students in an academic year. Out of 2,877 are boys and rest are the girls. Using sum estimate, find out how many girl students are enrolled?

Answer:

- A. 1,810
- B. 2,000
- C. 1,800

Show your work here:

Number Estimate

Answer Key

A. In a forest, there were 384 trees. Next year the tree count was 624. Using sum estimate, how find out how many new trees grew in a year?

Answer:

A. 240

B. 300

C. 200

Show your work here:

$$\begin{array}{r} \text{End of year tree count: } 624 \quad \longrightarrow \quad 600 \\ - \text{ Start of year tree count: } 384 \quad \longrightarrow \quad 400 \\ \hline \text{Trees grew during year } 240 \quad \longrightarrow \quad 200 \end{array}$$

B. The City library had 2,568 children's fiction books and 3,470 non-fiction books. Using sum estimate, how many children's books are in the library?

Answer:

A. 6,000

B. 6,020

C. 6,038

Show your work here:

$$\begin{array}{r} \text{Fiction book count : } 2,568 \quad \longrightarrow \quad 3,000 \\ + \text{ Non-fiction book count: } 3,470 \quad \longrightarrow \quad 3,000 \\ \hline \text{Total books count } 6,038 \quad \longrightarrow \quad 6,000 \end{array}$$

B. ABC Elementary School has 4,687 students in an academic year. Out of 2,877 are boys and rest are the girls. Using sum estimate, find out how many girl students are enrolled?

Answer:

A. 1,810

B. 2,000

C. 1,800

Show your work here:

$$\begin{array}{r} \text{Total student count : } 4,687 \quad \longrightarrow \quad 5,000 \\ - \text{ Boy student count: } 2,877 \quad \longrightarrow \quad 3,000 \\ \hline \text{Girl student count } 1,810 \quad \longrightarrow \quad 2,000 \end{array}$$