

## Practice These Problems as You Prepare for Friday's Math Test

Write each number in standard notation.

- ①  $10^6$  \_\_\_\_\_      ②  $3 * 10^6$  \_\_\_\_\_  
③  $10^3$  \_\_\_\_\_      ④  $24 * 10^3$  \_\_\_\_\_

Write each number in exponential notation.

- ⑤ 30,000 \_\_\_\_\_      ⑥ 70,000,000 \_\_\_\_\_

Renee is in charge of the school carnival for 380 students. She has 47 boxes of prizes. Each box has 22 prizes. She wants to make sure she has enough prizes for each student to win 2 prizes.

- ① Does Renee have enough prizes? \_\_\_\_\_

Explain how you solved the problem.

- ② Does Renee have enough prizes for each student to win 3 prizes? \_\_\_\_\_

Explain.

Write each number in expanded form.

- ③ 397 \_\_\_\_\_  
④ 1,268 \_\_\_\_\_  
⑤ 4,082 \_\_\_\_\_  
⑥ 29,141 \_\_\_\_\_

Make an estimate and solve.

③  $68 * 23$

Estimate: \_\_\_\_\_

$$\begin{array}{r} 68 \\ * 23 \\ \hline \end{array}$$

④  $278 * 15$

Estimate: \_\_\_\_\_

$$\begin{array}{r} 278 \\ * 15 \\ \hline \end{array}$$

Solve using any method you wish

③  $931 / 12 \rightarrow ?$

Estimate: \_\_\_\_\_

Answer: \_\_\_\_\_

④  $716 / 21 \rightarrow ?$

Estimate: \_\_\_\_\_

Answer: \_\_\_\_\_

- ② Your classroom received 150 books. You are placing them in bins. Each bin holds 20 books. How many bins do you need?

Quotient: \_\_\_\_\_ Remainder: \_\_\_\_\_

Answer: I need \_\_\_\_\_ bins.

Circle what you did with the remainder.

Ignored it      Rounded the quotient up

Why?

\_\_\_\_\_