

Name: Class:

Estimate quotients: word problems

- a. There are **8,352** people at a football stadium to watch a match. If there are **7** seats in each row, about how many rows will all the people in the stadium sit in?
- b. A wedding planner needs to arrange **621** flowers in vases for a wedding. If each vase can hold **8** flowers, about how many vases will the wedding planner need?
- c. A soccer coach has **\$713** to spend on new soccer balls. If each soccer ball cost **\$2**, about how many soccer-balls will the soccer coach buy?
- d. Kevin owns an electronic store in town. He has **\$45,182** to stock new USB cables in his store. If the cost of each USB cable is **\$9**, about how many USB cables will he be able to buy?
- e. **868** students attended a concert. The students were seated in **30** rows in the concert hall. If equal number of students sat in each row, about how many students were seated in each row?
- f. Yesterday, Layla, Madison, Mila and Avery break their piggy bank. They counted a total of **3,150** nickels in all. They decided to share this fortune equally. About how many nickels did each person get?
- g. Emilia is a secretary in a very big company. Every day, she sent an equal number of emails. At the end of the month, she had sent **13,675** emails. About how many emails did she send each day?
- h. Mateo, Jack, and John bought a **\$562** gift for their mother's wedding anniversary. If they decided to split the cost equally, about how much did each person pay?
- i. Mathew has **2,219** seashells. If he divided the seashells equally into **6** baskets, estimate the basket of seashells he'll have in all.

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- a.** There are **8,352** people at a football stadium to watch a match. If there are **7** seats in each row, about how many rows will all the people in the stadium sit in?

To solve this, divide the number of people by the number of seats in each row.

$$8,352 \div 7$$

Now, let's use a suitable number to estimate the quotient.

$$8,352 \div 7 \longrightarrow 8,400 \div 7 = 1,200$$

So, all the people in the stadium will sit in about 1,200 rows.

- b.** So, the wedding planner will need about 75 vases.
- c.** So, the soccer coach will buy about 350 soccer balls.
- d.** So, he will be able to buy about 5,000 USB cables.
- e.** So, about 30 students were seated in each row.
- f.** So, each person got about 790 nickels
- j.** So, she sent about 460 emails each day.
- h.** So, each person paid about \$190
- i.** So, he'll have about 370 baskets of seashells in all.