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

Divide larger numbers by 1-digit numbers: word problems

1. Mrs. Rita took her children to Disney land last week. Together with her 2 children, they checked in for a 9 day stay at a hotel in Disney land. If she was charged $ 993 per person for the 9 day stay, what was the cost paid per day?

2. Cheryl has 4,585 marbles. He sorted them equally into 5 jars. How many marbles are in each jar?

mathskills4kids

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Divide larger numbers by 1-digit numbers: word problems

1. Mrs. Rita took her children to Disney land last week. Together with her 2 children, they checked in for a 9 day stay at a hotel in Disney land. If she was charged $ 993 per person for the 9 day stay, what was the cost paid per day?

Let's first of all write down the information we know.

Number of people that checked into the hotel = 3

Amount charged per person = $ 993

Now, let's multiply $ 993 by 3 to get the total amount payed by all 3 people for the 9 day stay

$$\begin{array}{r} 9\,9\,3 \\ \times \quad 3 \\ \hline \$\,2,9\,7\,9 \end{array}$$

Finally, let's divide $ 2,979 by 9 to get the cost per person each day.

```
      331
   ┌────────
 9 │ 2,979
   - 27↓
   ────
     27
   -  27↓
   ────
      09        So, The cost of the hotel they all paid per day was $ 331
   -   9
   ────
      0
```

2. Cheryl has 4,585 marbles. He sorted them equally into 5 jars. How many marbles are in each jar?

To find the number of marbles in each jar; we need to divide 4,585 by 5

```
      917
   ┌────────
 5 │ 4,585
   - 45↓
   ────
     08
   -  5↓
   ────
     35
   -   35        So, there are 917 marbles are in each jar.
   ────
     0
```