Name_____   Date_____

Division of Whole Numbers, No Remainders
Word Problems
(4.NBT.6)

Directions: Solve the following word problem using numbers and words.

Fancy Belgian Chocolates are made at the new factory down the road. They can produce 8,716 chocolates in an hour but only 4 can fit in a box. How many boxes will they need each hour? Show all of your work and explain your answer.

Answer: _____

KEY

Answer:

They will need 2,179 boxes each hour.

8,716 ÷ 4 = 2,179

```
 8716                          4

-8000              ┌──────────┐  2000      2000
                   │   8000   │
  716              │          │
                   ├──────────┤   100       100
 -400              │   400    │
                   │          │
  316              ├──────────┤
                   │   280    │    70        70
 -280              │          │
                   ├──────────┤
   36              │   36     │     9      +   9
                   │          │              ─────
  -36              └──────────┘             2179
  ───
    0
```

Check: 2,179 x 4 = 8,716