

# Math 6 - Unit 1: Number System Fluency

## Long Division with Remainders

Name: \_\_\_\_\_

Class Period: 1 2 3 4 Date: \_\_\_\_\_

**Solve the following division problems (write your remainders as fractions or decimals):**

1)  $891 \div 6$

2)  $390 \div 21$

3)  $975 \div 8$

4)  $324 \div 9$

5)  $628 \div 27$

6)  $390 \div 21$

**Riding the Roller Coaster:** At an amusement park, the roller coaster seats **25** passengers per train.

4) If 1,172 people are waiting in line, how many trains will it take for all of the people in line to ride the roller coaster?

Solution: \_\_\_\_\_ Is there a remainder?: \_\_\_\_\_

Explain how that remainder was important to solving the problem:

5) If 600 people are waiting in line, how many trains will it take for all of the people in line to ride the roller coaster?

Solution: \_\_\_\_\_ Is there a remainder?: \_\_\_\_\_

Explain what the remainder or lack of remainder means in terms of the problem: