PSS: Interpret the Remainder

You can use a remainder in different ways. Look for word clues in problems to help you decide what to do with remainder.

Look at the list of clues below. Use it to help solve the problems.

a. If the problem asks how much is left over, use the remainder for your answer.	Example: Rita has to divide her 24 classmates into groups of 5. How many students will be left over? $24 \div 5 = 4\ r4$ 4 students will be left over.
b. If the problem asks how many groups are needed to divide a number into groups, increase the quotient by 1.	Example: How many tables will be needed to seat the 24 classmates at table of 5? $24 \div 5 = 4\ r\ 4$ 5 tables will be needed (4 tables will not be enough.)
c. If the problem asks how many groups can be made from a large number, drop the remainder.	Example: How many 10-person spelling bee teams can be made with 24 classmates $24 \div 10 = 2\ r\ 4$ There will be 2 teams. (There are not enough classmates to make a third team of 10.)

Grade 4

My Real Life

To prepare a jug of lemonade, Samar uses 6 lemons. How many jugs can she prepare with 32 lemons?

$$32 \div 6 = 5\ r\ 2$$

Samar can prepare 5 jugs. She still needs 4 more lemons to prepare one more jug.