Name: _____ Date: _____

Interpreting Remainders in Word Problems

Grade 4 | Deciding what a remainder means in a division story | Version 6 of 10

Divide. Then decide what the remainder means: do you need one more group, count only the full groups, or is the answer the remainder? Include the unit.

1. Leo has 50 inches of ribbon. He cuts pieces that are each 4 inches long. How many full pieces can he cut?

Division: _____ Answer: _____

2. 41 people are coming to a picnic. Each table seats 4 people. How many tables are needed so everyone can sit down?

Division: _____ Answer: _____

3. 38 students are going on a field trip. Each van holds 9 students. How many vans are needed so every student has a seat?

Division: _____ Answer: _____

4. A baker has 48 muffins. She packs 5 muffins in each box. How many boxes can she fill completely?

Division: _____ Answer: _____

5. 101 stickers are shared equally among 9 friends, and each friend gets as many as possible. How many stickers are left over?

Division: _____ Answer: _____

6. Mia has 70 marbles. She puts 8 marbles in each bag until she cannot fill another bag. How many marbles are left over?

Division: _____ Answer: _____

7. There are 35 books to put away. Each shelf holds 3 books. How many shelves are needed to hold all of the books?

Division: _____ Answer: _____

8. The art club has 22 beads. Each bracelet uses 7 beads. How many whole bracelets can the club make?

Division: _____ Answer: _____

Interpreting Remainders in Word Problems - ANSWER KEY

Grade 4 | Deciding what a remainder means in a division story | Version 6 of 10

Divide. Then decide what the remainder means: do you need one more group, count only the full groups, or is the answer the remainder? Include the unit.

1. Leo has 50 inches of ribbon. He cuts pieces that are each 4 inches long. How many full pieces can he cut?

Division: **50 ÷ 4 = 12 R2** Answer: **12 pieces**

2. 41 people are coming to a picnic. Each table seats 4 people. How many tables are needed so everyone can sit down?

Division: **41 ÷ 4 = 10 R1** Answer: **11 tables**

3. 38 students are going on a field trip. Each van holds 9 students. How many vans are needed so every student has a seat?

Division: **38 ÷ 9 = 4 R2** Answer: **5 vans**

4. A baker has 48 muffins. She packs 5 muffins in each box. How many boxes can she fill completely?

Division: **48 ÷ 5 = 9 R3** Answer: **9 boxes**

5. 101 stickers are shared equally among 9 friends, and each friend gets as many as possible. How many stickers are left over?

Division: **101 ÷ 9 = 11 R2** Answer: **2 stickers**

6. Mia has 70 marbles. She puts 8 marbles in each bag until she cannot fill another bag. How many marbles are left over?

Division: **70 ÷ 8 = 8 R6** Answer: **6 marbles**

7. There are 35 books to put away. Each shelf holds 3 books. How many shelves are needed to hold all of the books?

Division: **35 ÷ 3 = 11 R2** Answer: **12 shelves**

8. The art club has 22 beads. Each bracelet uses 7 beads. How many whole bracelets can the club make?

Division: **22 ÷ 7 = 3 R1** Answer: **3 bracelets**