Name: _____ Date: _____

Interpreting Remainders in Word Problems

Grade 4 | Deciding what a remainder means in a division story | Version 4 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 38 inches of ribbon. He cuts pieces that are each 6 inches long. How many full pieces can he cut?

Division: _____ Answer: _____

2. A baker has 30 muffins. She packs 9 muffins in each box. How many boxes can she fill completely?

Division: _____ Answer: _____

3. There are 48 books to put away. Each shelf holds 9 books. How many shelves are needed to hold all of the books?

Division: _____ Answer: _____

4. Mia has 25 marbles. She puts 8 marbles in each bag until she cannot fill another bag. How many marbles are left over?

Division: _____ Answer: _____

5. 61 people are coming to a picnic. Each table seats 5 people. How many tables are needed so everyone can sit down?

Division: _____ Answer: _____

6. The art club has 31 beads. Each bracelet uses 8 beads. How many whole bracelets can the club make?

Division: _____ Answer: _____

7. 23 stickers are shared equally among 5 friends, and each friend gets as many as possible. How many stickers are left over?

Division: _____ Answer: _____

8. 56 students are going on a field trip. Each van holds 6 students. How many vans are needed so every student has a seat?

Division: _____ Answer: _____

Interpreting Remainders in Word Problems - ANSWER KEY

Grade 4 | Deciding what a remainder means in a division story | Version 4 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 38 inches of ribbon. He cuts pieces that are each 6 inches long. How many full pieces can he cut?

Division: **38 ÷ 6 = 6 R2** Answer: **6 pieces**

2. A baker has 30 muffins. She packs 9 muffins in each box. How many boxes can she fill completely?

Division: **30 ÷ 9 = 3 R3** Answer: **3 boxes**

3. There are 48 books to put away. Each shelf holds 9 books. How many shelves are needed to hold all of the books?

Division: **48 ÷ 9 = 5 R3** Answer: **6 shelves**

4. Mia has 25 marbles. She puts 8 marbles in each bag until she cannot fill another bag. How many marbles are left over?

Division: **25 ÷ 8 = 3 R1** Answer: **1 marble**

5. 61 people are coming to a picnic. Each table seats 5 people. How many tables are needed so everyone can sit down?

Division: **61 ÷ 5 = 12 R1** Answer: **13 tables**

6. The art club has 31 beads. Each bracelet uses 8 beads. How many whole bracelets can the club make?

Division: **31 ÷ 8 = 3 R7** Answer: **3 bracelets**

7. 23 stickers are shared equally among 5 friends, and each friend gets as many as possible. How many stickers are left over?

Division: **23 ÷ 5 = 4 R3** Answer: **3 stickers**

8. 56 students are going on a field trip. Each van holds 6 students. How many vans are needed so every student has a seat?

Division: **56 ÷ 6 = 9 R2** Answer: **10 vans**