Interpreting Remainders in Word Problems - ANSWER KEY

Grade 4 | Deciding what a remainder means in a division story | Version 8 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. 37 people are coming to a picnic. Each table seats 8 people. How many tables are needed so everyone can sit down?

Division: **37 ÷ 8 = 4 R5** Answer: **5 tables**

2. 27 stickers are shared equally among 4 friends, and each friend gets as many as possible. How many stickers are left over?

Division: **27 ÷ 4 = 6 R3** Answer: **3 stickers**

3. 46 students are going on a field trip. Each van holds 8 students. How many vans are needed so every student has a seat?

Division: **46 ÷ 8 = 5 R6** Answer: **6 vans**

4. There are 57 books to put away. Each shelf holds 9 books. How many shelves are needed to hold all of the books?

Division: **57 ÷ 9 = 6 R3** Answer: **7 shelves**

5. Leo has 35 inches of ribbon. He cuts pieces that are each 9 inches long. How many full pieces can he cut?

Division: **35 ÷ 9 = 3 R8** Answer: **3 pieces**

6. A baker has 39 muffins. She packs 7 muffins in each box. How many boxes can she fill completely?

Division: **39 ÷ 7 = 5 R4** Answer: **5 boxes**

7. Mia has 64 marbles. She puts 5 marbles in each bag until she cannot fill another bag. How many marbles are left over?

Division: **64 ÷ 5 = 12 R4** Answer: **4 marbles**

8. The art club has 68 beads. Each bracelet uses 6 beads. How many whole bracelets can the club make?

Division: **68 ÷ 6 = 11 R2** Answer: **11 bracelets**