Interpreting Remainders in Word Problems - ANSWER KEY

Grade 4 | Deciding what a remainder means in a division story | Version 2 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. The art club has 35 beads. Each bracelet uses 3 beads. How many whole bracelets can the club make?

Division: **35 ÷ 3 = 11 R2** Answer: **11 bracelets**

2. 33 students are going on a field trip. Each van holds 6 students. How many vans are needed so every student has a seat?

Division: **33 ÷ 6 = 5 R3** Answer: **6 vans**

3. Mia has 39 marbles. She puts 4 marbles in each bag until she cannot fill another bag. How many marbles are left over?

Division: **39 ÷ 4 = 9 R3** Answer: **3 marbles**

4. 70 people are coming to a picnic. Each table seats 6 people. How many tables are needed so everyone can sit down?

Division: **70 ÷ 6 = 11 R4** Answer: **12 tables**

5. Leo has 33 inches of ribbon. He cuts pieces that are each 6 inches long. How many full pieces can he cut?

Division: **33 ÷ 6 = 5 R3** Answer: **5 pieces**

6. There are 66 books to put away. Each shelf holds 7 books. How many shelves are needed to hold all of the books?

Division: **66 ÷ 7 = 9 R3** Answer: **10 shelves**

7. 16 stickers are shared equally among 3 friends, and each friend gets as many as possible. How many stickers are left over?

Division: **16 ÷ 3 = 5 R1** Answer: **1 sticker**

8. A baker has 51 muffins. She packs 6 muffins in each box. How many boxes can she fill completely?

Division: **51 ÷ 6 = 8 R3** Answer: **8 boxes**