Name: _____ Date: _____

Interpreting Remainders in Word Problems

Grade 4 | Deciding what a remainder means in a division story | Version 5 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. 33 stickers are shared equally among 4 friends, and each friend gets as many as possible. How many stickers are left over?

Division: _____ Answer: _____

2. Leo has 62 inches of ribbon. He cuts pieces that are each 5 inches long. How many full pieces can he cut?

Division: _____ Answer: _____

3. The art club has 75 beads. Each bracelet uses 8 beads. How many whole bracelets can the club make?

Division: _____ Answer: _____

4. 34 students are going on a field trip. Each van holds 3 students. How many vans are needed so every student has a seat?

Division: _____ Answer: _____

5. 17 people are coming to a picnic. Each table seats 5 people. How many tables are needed so everyone can sit down?

Division: _____ Answer: _____

6. Mia has 38 marbles. She puts 3 marbles in each bag until she cannot fill another bag. How many marbles are left over?

Division: _____ Answer: _____

7. A baker has 25 muffins. She packs 3 muffins in each box. How many boxes can she fill completely?

Division: _____ Answer: _____

8. There are 31 books to put away. Each shelf holds 3 books. How many shelves are needed to hold all of the books?

Division: _____ Answer: _____

Interpreting Remainders in Word Problems - ANSWER KEY

Grade 4 | Deciding what a remainder means in a division story | Version 5 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. 33 stickers are shared equally among 4 friends, and each friend gets as many as possible. How many stickers are left over?

Division: **33 ÷ 4 = 8 R1** Answer: **1 sticker**

2. Leo has 62 inches of ribbon. He cuts pieces that are each 5 inches long. How many full pieces can he cut?

Division: **62 ÷ 5 = 12 R2** Answer: **12 pieces**

3. The art club has 75 beads. Each bracelet uses 8 beads. How many whole bracelets can the club make?

Division: **75 ÷ 8 = 9 R3** Answer: **9 bracelets**

4. 34 students are going on a field trip. Each van holds 3 students. How many vans are needed so every student has a seat?

Division: **34 ÷ 3 = 11 R1** Answer: **12 vans**

5. 17 people are coming to a picnic. Each table seats 5 people. How many tables are needed so everyone can sit down?

Division: **17 ÷ 5 = 3 R2** Answer: **4 tables**

6. Mia has 38 marbles. She puts 3 marbles in each bag until she cannot fill another bag. How many marbles are left over?

Division: **38 ÷ 3 = 12 R2** Answer: **2 marbles**

7. A baker has 25 muffins. She packs 3 muffins in each box. How many boxes can she fill completely?

Division: **25 ÷ 3 = 8 R1** Answer: **8 boxes**

8. There are 31 books to put away. Each shelf holds 3 books. How many shelves are needed to hold all of the books?

Division: **31 ÷ 3 = 10 R1** Answer: **11 shelves**