Name: _____ Date: _____

Interpreting Remainders in Word Problems

Grade 4 | Deciding what a remainder means in a division story | Version 7 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. There are 73 books to put away. Each shelf holds 6 books. How many shelves are needed to hold all of the books?

Division: _____ Answer: _____

2. 23 people are coming to a picnic. Each table seats 5 people. How many tables are needed so everyone can sit down?

Division: _____ Answer: _____

3. Mia has 29 marbles. She puts 5 marbles in each bag until she cannot fill another bag. How many marbles are left over?

Division: _____ Answer: _____

4. Leo has 62 inches of ribbon. He cuts pieces that are each 7 inches long. How many full pieces can he cut?

Division: _____ Answer: _____

5. 33 stickers are shared equally among 7 friends, and each friend gets as many as possible. How many stickers are left over?

Division: _____ Answer: _____

6. A baker has 60 muffins. She packs 9 muffins in each box. How many boxes can she fill completely?

Division: _____ Answer: _____

7. 47 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: _____

8. The art club has 44 beads. Each bracelet uses 5 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 7 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. There are 73 books to put away. Each shelf holds 6 books. How many shelves are needed to hold all of the books?

Division: **73 ÷ 6 = 12 R1** Answer: **13 shelves**

2. 23 people are coming to a picnic. Each table seats 5 people. How many tables are needed so everyone can sit down?

Division: **23 ÷ 5 = 4 R3** Answer: **5 tables**

3. Mia has 29 marbles. She puts 5 marbles in each bag until she cannot fill another bag. How many marbles are left over?

Division: **29 ÷ 5 = 5 R4** Answer: **4 marbles**

4. Leo has 62 inches of ribbon. He cuts pieces that are each 7 inches long. How many full pieces can he cut?

Division: **62 ÷ 7 = 8 R6** Answer: **8 pieces**

5. 33 stickers are shared equally among 7 friends, and each friend gets as many as possible. How many stickers are left over?

Division: **33 ÷ 7 = 4 R5** Answer: **5 stickers**

6. A baker has 60 muffins. She packs 9 muffins in each box. How many boxes can she fill completely?

Division: **60 ÷ 9 = 6 R6** Answer: **6 boxes**

7. 47 students are going on a field trip. Each van holds 6 students. How many vans are needed so every student has a seat?

Division: **47 ÷ 6 = 7 R5** Answer: **8 vans**

8. The art club has 44 beads. Each bracelet uses 5 beads. How many whole bracelets can the club make?

Division: **44 ÷ 5 = 8 R4** Answer: **8 bracelets**