Interpreting Remainders in Word Problems - ANSWER KEY

Grade 4 | Deciding what a remainder means in a division story | Version 1 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 20 inches of ribbon. He cuts pieces that are each 3 inches long. How many full pieces can he cut?

Division: **20 ÷ 3 = 6 R2** Answer: **6 pieces**

2. 67 students are going on a field trip. Each van holds 7 students. How many vans are needed so every student has a seat?

Division: **67 ÷ 7 = 9 R4** Answer: **10 vans**

3. A baker has 47 muffins. She packs 7 muffins in each box. How many boxes can she fill completely?

Division: **47 ÷ 7 = 6 R5** Answer: **6 boxes**

4. Mia has 31 marbles. She puts 3 marbles in each bag until she cannot fill another bag. How many marbles are left over?

Division: **31 ÷ 3 = 10 R1** Answer: **1 marble**

5. There are 36 books to put away. Each shelf holds 5 books. How many shelves are needed to hold all of the books?

Division: **36 ÷ 5 = 7 R1** Answer: **8 shelves**

6. The art club has 51 beads. Each bracelet uses 9 beads. How many whole bracelets can the club make?

Division: **51 ÷ 9 = 5 R6** Answer: **5 bracelets**

7. 52 stickers are shared equally among 8 friends, and each friend gets as many as possible. How many stickers are left over?

Division: **52 ÷ 8 = 6 R4** Answer: **4 stickers**

8. 41 people are coming to a picnic. Each table seats 7 people. How many tables are needed so everyone can sit down?

Division: **41 ÷ 7 = 5 R6** Answer: **6 tables**

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**

Interpreting Remainders in Word Problems - ANSWER KEY

Grade 4 | Deciding what a remainder means in a division story | Version 3 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. 34 stickers are shared equally among 3 friends, and each friend gets as many as possible. How many stickers are left over?

Division: **34 ÷ 3 = 11 R1** Answer: **1 sticker**

2. 93 students are going on a field trip. Each van holds 9 students. How many vans are needed so every student has a seat?

Division: **93 ÷ 9 = 10 R3** Answer: **11 vans**

3. The art club has 57 beads. Each bracelet uses 6 beads. How many whole bracelets can the club make?

Division: **57 ÷ 6 = 9 R3** Answer: **9 bracelets**

4. 32 people are coming to a picnic. Each table seats 3 people. How many tables are needed so everyone can sit down?

Division: **32 ÷ 3 = 10 R2** Answer: **11 tables**

5. Mia has 82 marbles. She puts 8 marbles in each bag until she cannot fill another bag. How many marbles are left over?

Division: **82 ÷ 8 = 10 R2** Answer: **2 marbles**

6. A baker has 72 muffins. She packs 7 muffins in each box. How many boxes can she fill completely?

Division: **72 ÷ 7 = 10 R2** Answer: **10 boxes**

7. There are 62 books to put away. Each shelf holds 6 books. How many shelves are needed to hold all of the books?

Division: **62 ÷ 6 = 10 R2** Answer: **11 shelves**

8. Leo has 53 inches of ribbon. He cuts pieces that are each 6 inches long. How many full pieces can he cut?

Division: **53 ÷ 6 = 8 R5** Answer: **8 pieces**

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**

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**

Interpreting Remainders in Word Problems - ANSWER KEY

Grade 4 | Deciding what a remainder means in a division story | Version 6 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 50 inches of ribbon. He cuts pieces that are each 4 inches long. How many full pieces can he cut?

Division: **50 ÷ 4 = 12 R2** Answer: **12 pieces**

2. 41 people are coming to a picnic. Each table seats 4 people. How many tables are needed so everyone can sit down?

Division: **41 ÷ 4 = 10 R1** Answer: **11 tables**

3. 38 students are going on a field trip. Each van holds 9 students. How many vans are needed so every student has a seat?

Division: **38 ÷ 9 = 4 R2** Answer: **5 vans**

4. A baker has 48 muffins. She packs 5 muffins in each box. How many boxes can she fill completely?

Division: **48 ÷ 5 = 9 R3** Answer: **9 boxes**

5. 101 stickers are shared equally among 9 friends, and each friend gets as many as possible. How many stickers are left over?

Division: **101 ÷ 9 = 11 R2** Answer: **2 stickers**

6. Mia has 70 marbles. She puts 8 marbles in each bag until she cannot fill another bag. How many marbles are left over?

Division: **70 ÷ 8 = 8 R6** Answer: **6 marbles**

7. There are 35 books to put away. Each shelf holds 3 books. How many shelves are needed to hold all of the books?

Division: **35 ÷ 3 = 11 R2** Answer: **12 shelves**

8. The art club has 22 beads. Each bracelet uses 7 beads. How many whole bracelets can the club make?

Division: **22 ÷ 7 = 3 R1** Answer: **3 bracelets**

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**

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**

Interpreting Remainders in Word Problems - ANSWER KEY

Grade 4 | Deciding what a remainder means in a division story | Version 9 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. 87 stickers are shared equally among 8 friends, and each friend gets as many as possible. How many stickers are left over?

Division: **87 ÷ 8 = 10 R7** Answer: **7 stickers**

2. A baker has 13 muffins. She packs 3 muffins in each box. How many boxes can she fill completely?

Division: **13 ÷ 3 = 4 R1** Answer: **4 boxes**

3. 40 students are going on a field trip. Each van holds 7 students. How many vans are needed so every student has a seat?

Division: **40 ÷ 7 = 5 R5** Answer: **6 vans**

4. The art club has 95 beads. Each bracelet uses 8 beads. How many whole bracelets can the club make?

Division: **95 ÷ 8 = 11 R7** Answer: **11 bracelets**

5. There are 39 books to put away. Each shelf holds 6 books. How many shelves are needed to hold all of the books?

Division: **39 ÷ 6 = 6 R3** Answer: **7 shelves**

6. Mia has 94 marbles. She puts 9 marbles in each bag until she cannot fill another bag. How many marbles are left over?

Division: **94 ÷ 9 = 10 R4** Answer: **4 marbles**

7. Leo has 38 inches of ribbon. He cuts pieces that are each 3 inches long. How many full pieces can he cut?

Division: **38 ÷ 3 = 12 R2** Answer: **12 pieces**

8. 14 people are coming to a picnic. Each table seats 3 people. How many tables are needed so everyone can sit down?

Division: **14 ÷ 3 = 4 R2** Answer: **5 tables**

Interpreting Remainders in Word Problems - ANSWER KEY

Grade 4 | Deciding what a remainder means in a division story | Version 10 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. Mia has 51 marbles. She puts 8 marbles in each bag until she cannot fill another bag. How many marbles are left over?

Division: **51 ÷ 8 = 6 R3** Answer: **3 marbles**

2. 62 people are coming to a picnic. Each table seats 7 people. How many tables are needed so everyone can sit down?

Division: **62 ÷ 7 = 8 R6** Answer: **9 tables**

3. 43 stickers are shared equally among 8 friends, and each friend gets as many as possible. How many stickers are left over?

Division: **43 ÷ 8 = 5 R3** Answer: **3 stickers**

4. A baker has 46 muffins. She packs 8 muffins in each box. How many boxes can she fill completely?

Division: **46 ÷ 8 = 5 R6** Answer: **5 boxes**

5. Leo has 44 inches of ribbon. He cuts pieces that are each 5 inches long. How many full pieces can he cut?

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

6. 33 students are going on a field trip. Each van holds 4 students. How many vans are needed so every student has a seat?

Division: **33 ÷ 4 = 8 R1** Answer: **9 vans**

7. There are 50 books to put away. Each shelf holds 4 books. How many shelves are needed to hold all of the books?

Division: **50 ÷ 4 = 12 R2** Answer: **13 shelves**

8. The art club has 19 beads. Each bracelet uses 3 beads. How many whole bracelets can the club make?

Division: **19 ÷ 3 = 6 R1** Answer: **6 bracelets**