

Remainder Riddles: Division with Multi-Digit Numbers

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5th Grade Math Practice

Name: _____

Date: _____

Solve each problem. Show your work when needed.

1. $1125 \div 6 = \underline{\quad} \text{ R } \underline{\quad}$

2. A baker made 53 cookies and wants to pack them in boxes of 8. How many boxes will he need and how many cookies will be left over?

3. Circle the greater number: $144 \div 12$ or $145 \div 12$:

12

or

145

4. What is the next number in the sequence? 16, 32, 48, _____

5. The remainder of $37 \div 5$ is 2.

True

False

6. $243 \div 4 = \underline{\quad} \text{ R } \underline{\quad}$

7. There are 100 students in the auditorium and 7 rows of seats. How many full rows of seats are there and how many students are left without seats?

8. Circle the greater number: $89 \div 9$ or $90 \div 9$:

9

or

90

9. What number comes next? 3, 6, 9, 12, _____

10. The remainder of $85 \div 9$ is 4.

True

False

11. $156 \div 10 = \underline{\quad} \text{ R } \underline{\quad}$

12. A fruit seller has 85 apples and wants to pack them into bags of 9. How many bags will he need and how many apples will be left?

13. Circle the greater number: $200 \div 15$ or $201 \div 15$:

15

or

201

14. What is the next number in the pattern? 100, 90, 80, ____

15. The remainder of $77 \div 8$ is 5.

True False

Answer Key

1. 20 R 5 2. 7 boxes, 5 cookies 3. $145 \div 12$ 4. 64 5. False 6. 60 R 3 7. 14 full rows, 2 students 8. $90 \div 9$ 9. 15 10. True 11. 15 R 6 12. 9 bags, 4 apples 13. $201 \div 15$ 14. 70 15. True