



TIMO practice: Exact division and remainders (with solutions)

4 problems · Grade 3 · answers and solutions at the end

Name _____

Date _____



Practise this type in the Karotto app, with questions read aloud and hints when stuck. Scan the code or visit playkarotto.com

Grade 3

1 What is the smallest three-digit number that leaves 5 when divided by 13?

Answer: _____

2 How many two-digit numbers can be divided exactly by 8?

Answer: _____

3 What is the smallest three-digit number that leaves 14 when divided by 21?

Answer: _____

4 What is the remainder when 731 is divided by 2?

Answer: _____

Answers and solutions: Exact division and remainders

1. Answer: 109 · Grade 3

How to think: A number that leaves 5 when divided by 13 is a number that 13 goes into exactly, plus 5.

Solution: 104 is the smallest three-digit number that 13 goes into exactly. 104 plus 5 equals 109.

2. Answer: 11 · Grade 3

How to think: Find the smallest and the biggest two-digit numbers that 8 goes into exactly.

Solution: 16 equals 8 times 2, and 96 equals 8 times 12. From 2 to 12 there are 11 numbers.

3. Answer: 119 · Grade 3

How to think: A number that leaves 14 when divided by 21 is a number that 21 goes into exactly, plus 14.

Solution: 105 is the smallest three-digit number that 21 goes into exactly. 105 plus 14 equals 119.

4. Answer: 1 · Grade 3

How to think: Find the biggest number that 2 goes into exactly, without going past 731.

Solution: 2 times 365 equals 730. 731 minus 730 equals 1. So 731 divided by 2 leaves 1.
