Divisibility & Remainders

Concept — ANSWER KEY

Does it divide evenly — and what's left over?

Think: Divisible by 2 → last digit even. By 5 → ends in 0 or 5. By 10 → ends in 0.

1. Answers with the thinking.

1) Is 19 divisible by 2? (yes / no) **no**
↳ *19 ÷ 2 leaves remainder 1*

2) What is the remainder of 17 ÷ 3? **2**
↳ *3 × 5 = 15, so 2 left over*

3) Is 17 divisible by 2? (yes / no) **no**
↳ *17 ÷ 2 leaves remainder 1*

4) What is the remainder of 15 ÷ 3? **0**
↳ *3 × 5 = 15, so 0 left over*

5) Is 10 divisible by 2? (yes / no) **yes**
↳ *10 ÷ 2 leaves remainder 0*

6) Is 36 divisible by 10? (yes / no) **no**
↳ *36 ÷ 10 leaves remainder 6*

7) Is 74 divisible by 2? (yes / no) **yes**
↳ *74 ÷ 2 leaves remainder 0*

8) What is the remainder of 10 ÷ 3? **1**
↳ *3 × 3 = 9, so 1 left over*

9) What is the remainder of 27 ÷ 4? **3**
↳ *4 × 6 = 24, so 3 left over*

10) What is the remainder of 22 ÷ 5? **2**
↳ *5 × 4 = 20, so 2 left over*

11) Is 85 divisible by 10? (yes / no) **no**
↳ *85 ÷ 10 leaves remainder 5*

12) Is 9 divisible by 5? (yes / no) **no**
↳ *9 ÷ 5 leaves remainder 4*