Long Division with 1-Digit Divisors

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Instructions

1. Divide into the first digit, multiply, subtract, then bring down the next digit.
2. Repeat to the end, and write any remainder.

Example

117

9 ⟌ 1,053

1. Take the first part of the number that the divisor fits into. Divide, write that digit in the answer, and take away what you used.
   10 ÷ 9 = 1 r 1
   1 × 9 = 9
   10 − 9 = 1
2. Bring down the next digit and do the same again, until there are no digits left to bring down.
   15 ÷ 9 = 1 r 6
   1 × 9 = 9
   15 − 9 = 6
   63 ÷ 9 = 7 r 0
   7 × 9 = 63
   63 − 63 = 0
3. Check using multiplication and the remainder, then read the answer off the top.
   117 × 9 + 0 = 1,053

1

8 ⟌ 288

2

9 ⟌ 846

3

5 ⟌ 495

4

7 ⟌ 637

5

2 ⟌ 184

6

4 ⟌ 320

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