FAITH THINKERS
Traditional Arithmetic & Logic

Name: _____

LONG DIVISION

Divide Step by Step

Objective: Divide step by step: divide, multiply, subtract, then bring down the next digit.

INSTRUCTION For each digit, divide, multiply, subtract, then bring down the next digit. Write the quotient on top of the line.

EXAMPLE Follow the steps to solve it.

```
  1 1 7 9
7 | 8 2 5 9
  -7
  ---
  1 2
   -7
   --
    5 5
   -4 9
   ----
      6 9
     -6 3
     ----
        6
```

1. 8 ÷ 7 = 1; 1 × 7 = 7; 8 − 7 = 1. Bring down the 2.
2. 12 ÷ 7 = 1; 1 × 7 = 7; 12 − 7 = 5. Bring down the 5.
3. 55 ÷ 7 = 7; 7 × 7 = 49; 55 − 49 = 6. Bring down the 9.
4. 69 ÷ 7 = 9; 9 × 7 = 63; 69 − 63 = 6.

8259 ÷ 7 = 1179 R 6

INDEPENDENT PRACTICE Solve each one. Show your work; write the quotient on top.

1. 4 | 2 1 1 7

2. 9 | 8 8 3 1

3. 6 | 5 6 4 4

4. 6 | 5 4 0 9

5. 2 | 9 3 7 5

6. 5 | 6 9 9 0

7. 3 | 5 2 5 5

8. 2 | 9 8 8 5

I solved by: ○ divided each place ○ checked by multiplying ○ wrote the remainder

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TEACHER EDITION

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    - 7
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    - 4 9
        6 9
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INDEPENDENT PRACTICE Solve each one. Show your work; write the quotient on top.

1. 4 | 2117 R1 → 529
2. 9 | 8831 R2 → 981
3. 6 | 5644 R4 → 940
4. 6 | 5409 R3 → 901
5. 2 | 9375 R1 → 4687
6. 5 | 6990 → 1398
7. 3 | 5255 R2 → 1751
8. 2 | 9885 R1 → 4942

I solved by: ○ divided each place ○ checked by multiplying ○ wrote the remainder