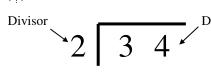# RAINBOW Division
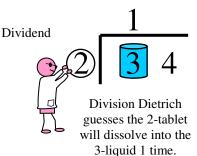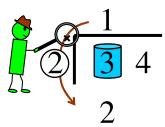
Legend has it there's a pot of gold at the end of every rainbow.
Here's a fun way to perform the long division algorithm!
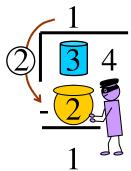
Divisor → 2) 3 4 ← Dividend

Starting with a traditional long division problem...

Division Dietrich guesses the 2-tablet will dissolve into the 3-liquid 1 time.
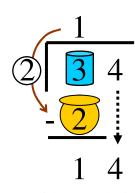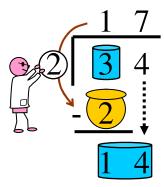
Multiplication Morris tests the guess by magnifying $1 \times 2 = 2$ creating the first rainbow arc.
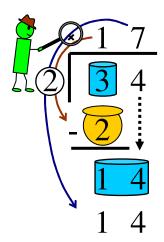
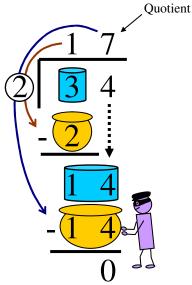Subtraction Sam steals the gold pot with 2 in it from the 3-liquid, leaving a remainder of 1-liquid.

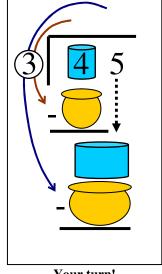Rainbows need rain, so 4 rains down to replenish the 1-liquid.

Dietrich guesses the 2-tablet will dissolve into the 14-liquid 7 times.

Morris tests the guess by magnifying $7 \times 2 = 14$ creating another rainbow arc.

Quotient

Sam steals 14 from 14 leaving no liquid.

Your turn!
Fill in the missing items.

To Check Your Answer
Multiply tablet (divisor) times answer (quotient) to get liquid (dividend); e.g., $3 \times 15 = 45$.

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