

One division, opened right out

Name: _____

Date: _____

One long division opened right out, with a note beside every line it produces.

$$\begin{array}{r} 556 \\ 7 \overline{) 3892} \\ \underline{- 35} \\ 39 \\ \underline{- 35} \\ 42 \\ \underline{- 42} \\ 0 \end{array}$$

7 goes into 38 five times: $5 \times 7 = 35$

$38 - 35 = 3$, then bring the 9 down beside it

7 goes into 39 five times: $5 \times 7 = 35$

$39 - 35 = 4$, then bring the 2 down beside it

7 goes into 42 six times: $6 \times 7 = 42$

$42 - 42 = 0$, so there is no remainder

Prove it by multiplying back:

$$556 \times 7 = 3892$$

Now you try, same divisor

1.

$$\begin{array}{r} \\ 7 \overline{) 3122} \end{array}$$

2.

$$\begin{array}{r} \\ 7 \overline{) 7189} \end{array}$$

Answer key: One division, opened right out

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$42 - 42 = 0$, so there is no remainder

Prove it by multiplying back:

$$556 \times 7 = 3892$$

Now you try, same divisor

1.

$$\begin{array}{r} 446 \\ 7 \overline{) 3122} \\ \underline{- 28} \\ 32 \\ \underline{- 28} \\ 42 \\ \underline{- 42} \\ 0 \end{array}$$

2.

$$\begin{array}{r} 1027 \\ 7 \overline{) 7189} \\ \underline{- 7} \\ 1 \\ \underline{- 0} \\ 18 \\ \underline{- 14} \\ 49 \\ \underline{- 49} \\ 0 \end{array}$$