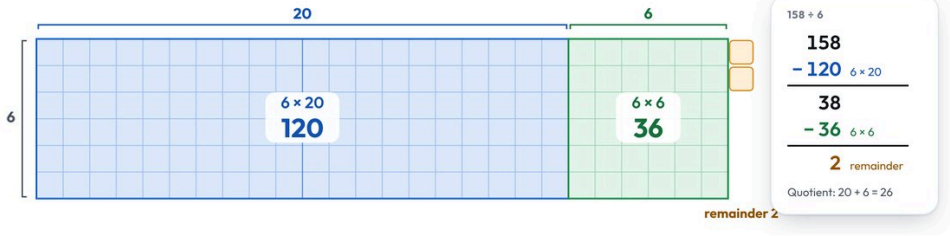
Names (pair) _____ Date _____

Written Division

Example

158 ÷ 6 = 26 remainder 2

158 = 6 × 26 + 2. The remainder 2 is less than the divisor 6.



Dividing in steps. From 158 we take away whole columns of 6: first 20 columns ($6 \times 20 = 120$), leaving 38; then 6 columns ($6 \times 6 = 36$), leaving 2. The quotient is $20 + 6 = 26$ and the remainder is 2.

1 IN PAIRS Divide in steps. In each step take away as many whole columns as you can (for example 10, 20 or 5 times the divisor).

$96 \div 4$

left	take away	times
96		

quotient: ☐

remainder: ☐

$245 \div 7$

left	take away	times
245		

quotient: ☐

remainder: ☐

$500 \div 8$

left	take away	times
500		

quotient: ☐

remainder: ☐

Remember

The short way. We divide from the left, place by place: $15 \div 6 = 2$ (because $2 \times 6 = 12$), 3 left. Bring down the next digit: $38 \div 6 = 6$, 2 left. Under each step we write the product and what is left.

$$\begin{array}{r|l} & 26 \\ \hline 6 & 158 \\ & 12 \\ \hline & 38 \\ & 36 \\ \hline & 2 \end{array}$$

The remainder 2 is less than the divisor 6, so the division is finished.

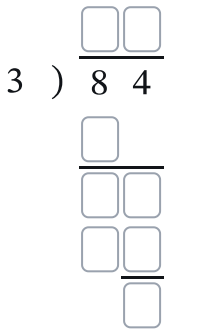
Names (pair) _____ Date _____

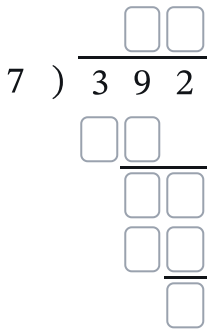
2 IN PAIRS **Before calculating:** how many digits will the quotient have? How did you decide?

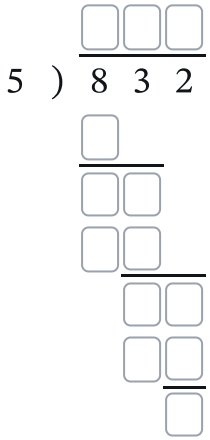
$84 \div 3$: ☐ $392 \div 7$: ☐ $832 \div 5$: ☐

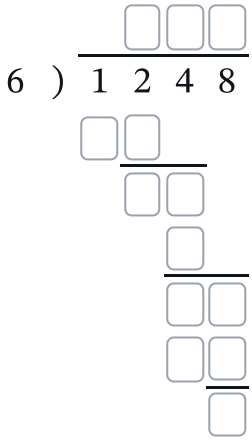
$1{,}248 \div 6$: ☐ $906 \div 3$: ☐ $3{,}150 \div 9$: ☐

3 ON YOUR OWN Divide in writing. Check by multiplying.









4 IN PAIRS **Find the mistake.** Luke got $618 \div 6 = 13$. Check by multiplying. What did he skip?

_____

_____

The Multiplication Rectangle app · otooly.com/multiplication-rectangle

Division mode: enter 158 and 6 and turn on **Written method**. Build columns 10 at a time, then press **All at once**. Compare the steps.

★ ON YOUR OWN **Exit card.** $735 \div 5 =$ ☐ check: ☐