

Name: Key

5th Grade Notes 4.3B Divide by a Two-Digit Divisor with Carrying
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Ex: $384 \div 24$

$$\begin{array}{r} \overset{x}{24} \overline{)384} \\ \underline{-24} \\ 144 \\ \underline{-144} \\ 0 \end{array}$$

Sometimes when you divide, you will need to carry when you multiply. For 24×6 ,

it would be $\overset{2}{24} \times 6 = 144$

But in division, we multiply sideways, so you need to carry above the divisor

to the tens place (above the 2). Cross it out when done, in case you have to carry again.

Ex: $874 \div 23$

$$\begin{array}{r} \cancel{x} \quad 038 \\ 23 \overline{)874} \\ \underline{-69} \\ 184 \\ \underline{-184} \\ 0 \end{array}$$

Ex: $999 \div 18$

$$\begin{array}{r} \cancel{4} \quad 055 \text{ R}9 \\ 4 \quad 18 \overline{)999} \\ \underline{-90} \\ 99 \\ \underline{-90} \\ 9 \end{array}$$

In this case, you need to carry twice, so that's why you cross out after finishing multiplication. Just carry above the other number like you would for 2-digit multiplication.