

Name: Key

5th Grade Notes 4.5 Divide Greater Numbers p. 277

Ex: $22,500 \div 75$

$$\begin{array}{r} 00300 \\ 75 \overline{) 22,500} \\ \underline{-225} \\ 00 \\ \underline{-0} \\ 00 \\ \underline{-0} \\ 0 \end{array}$$

$$\begin{array}{r} 225 \div 75 \\ \downarrow \\ 160 \div 80 = 2 \\ \\ 75 \\ \times 3 \\ \hline 225 \end{array}$$

in head
or
on
paper

-start the same way you

would divide regularly: Can

you do 2 $\div 75$? no so

put a zero. Then try 22.

Can you do 22 $\div 75$? no

Put another zero. So

now you need 3

digits. Can you do

225 $\div 75$? yes. Use

compatible numbers to

figure it out. Then divide

normally. If you need to do

multiplication or division on

the side, do that and don't

erase it.

Ex: $46,534 \div 152$

$$\begin{array}{r} \cancel{3} \times \cancel{1} \times \quad 00306R22 \\ 152 \overline{) 46,534} \\ \underline{-456} \\ 93 \\ \underline{-0} \\ 934 \\ \underline{-912} \\ 22 \end{array}$$

Use Compatible

numbers. Multiply
or divide on the side
if necessary.

$$465 \div 152$$

$$\downarrow \\ 450 \div 150 = 3$$

$$934 \div 152$$

$$\downarrow \\ 800 \div 200 = 4 \text{ (too small - bigger)}$$

in head
or on
paper