

Name: Class:

Estimate quotients

Estimate using compatible numbers. complete with < or >.

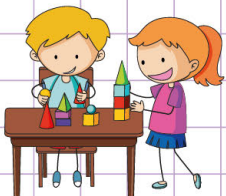
a. $725 \div 7$ _____ 54

b. $3,567$ _____ $10,253 \div 2$

c. $215,397 \div 8$ _____ $26,924$

d. $8,314$ _____ $33,461 \div 4$

e. $456,329 \div 5$ _____ $91,260$



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a. $725 \div 7$ _____ 54

Let's first of all divide normally.

$$\begin{array}{r}
 103 \\
 7 \overline{) 725} \\
 \underline{- 7} \\
 02 \\
 \underline{- 0} \\
 25 \\
 \underline{- 21} \\
 4
 \end{array}$$

Secondly, let's find which number is compatible to 7.

You see that $103 \frac{4}{7}$ in decimal form is 103.57

$103 \frac{4}{7} = 103.57$

Since 57 is greater than the divisor (7), we will round

103.57 up to 104 which is the quotient to the compatible number

that 7 can divide without a remainder.

Now, let's compare.

Since 104 is greater than 54 it implies that

$725 \div 7 > 54.$

b. $3,567$ $<$ $10,253 \div 2$

c. $215,397 \div 8$ $>$ $26,924$

d. $8,314$ $<$ $33,461 \div 4$

e. $456,329 \div 5$ $>$ $91,260$