

Name \_\_\_\_\_

Date \_\_\_\_\_

1. Estimate the quotient for the following problems. The first one is done for you.

a. $821 \div 41$ $\approx 800 \div 40$ $= 20$	b. $617 \div 23$ $\approx \underline{\hspace{2cm}} \div \underline{\hspace{2cm}}$ $= \underline{\hspace{2cm}}$	c. $821 \div 39$ $\approx \underline{\hspace{2cm}} \div \underline{\hspace{2cm}}$ $= \underline{\hspace{2cm}}$
d. $482 \div 52$ $\approx \underline{\hspace{2cm}} \div \underline{\hspace{2cm}}$ $= \underline{\hspace{2cm}}$	e. $531 \div 48$ $\approx \underline{\hspace{2cm}} \div \underline{\hspace{2cm}}$ $= \underline{\hspace{2cm}}$	f. $141 \div 73$ $\approx \underline{\hspace{2cm}} \div \underline{\hspace{2cm}}$ $= \underline{\hspace{2cm}}$
g. $476 \div 81$ $\approx \underline{\hspace{2cm}} \div \underline{\hspace{2cm}}$ $= \underline{\hspace{2cm}}$	h. $645 \div 69$ $\approx \underline{\hspace{2cm}} \div \underline{\hspace{2cm}}$ $= \underline{\hspace{2cm}}$	i. $599 \div 99$ $\approx \underline{\hspace{2cm}} \div \underline{\hspace{2cm}}$ $= \underline{\hspace{2cm}}$
j. $301 \div 26$ $\approx \underline{\hspace{2cm}} \div \underline{\hspace{2cm}}$ $= \underline{\hspace{2cm}}$	k. $729 \div 81$ $\approx \underline{\hspace{2cm}} \div \underline{\hspace{2cm}}$ $= \underline{\hspace{2cm}}$	l. $636 \div 25$ $\approx \underline{\hspace{2cm}} \div \underline{\hspace{2cm}}$ $= \underline{\hspace{2cm}}$

<p>m. <math>835 \div 89</math></p> <p><math>\approx</math> _____ <math>\div</math> _____</p> <p><math>=</math> _____</p>	<p>n. <math>345 \div 72</math></p> <p><math>\approx</math> _____ <math>\div</math> _____</p> <p><math>=</math> _____</p>	<p>o. <math>559 \div 11</math></p> <p><math>\approx</math> _____ <math>\div</math> _____</p> <p><math>=</math> _____</p>
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2. Mrs. Johnson spent \$611 buying lunch for 78 students. If all of the lunches were the same cost, about how much did she spend on each lunch?
3. An oil well produces 172 gallons of oil every day. A standard oil barrel holds 42 gallons of oil. About how many barrels of oil will the well produce in one day? Explain your thinking.