

Name _____ Date _____

Multiplying and Dividing Whole Numbers

Practice regrouping when multiplying by a two digit number.

Find: 69×618

Multiply 9 ones. Regroup if needed.	Multiply by 6 tens. Regroup if needed.	Add.	Check the answer by estimating.																																																																																																													
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Multiply. Check answers by estimating.

1. $\begin{array}{r} 43 \\ \times 19 \\ \hline 387 \\ 43 \\ \hline 817 \end{array}$ $\begin{array}{r} 56 \\ \times 27 \\ \hline \end{array}$ $\begin{array}{r} 65 \\ \times 35 \\ \hline \end{array}$ $\begin{array}{r} 72 \\ \times 18 \\ \hline \end{array}$ $\begin{array}{r} 59 \\ \times 14 \\ \hline \end{array}$ $\begin{array}{r} 87 \\ \times 23 \\ \hline \end{array}$ $\begin{array}{r} 45 \\ \times 32 \\ \hline \end{array}$ $\begin{array}{r} 36 \\ \times 33 \\ \hline \end{array}$

2. $\begin{array}{r} 79 \\ \times 25 \\ \hline \end{array}$ $\begin{array}{r} 82 \\ \times 16 \\ \hline \end{array}$ $\begin{array}{r} 77 \\ \times 85 \\ \hline \end{array}$ $\begin{array}{r} 93 \\ \times 16 \\ \hline \end{array}$ $\begin{array}{r} 62 \\ \times 48 \\ \hline \end{array}$ $\begin{array}{r} 43 \\ \times 57 \\ \hline \end{array}$ $\begin{array}{r} 36 \\ \times 28 \\ \hline \end{array}$ $\begin{array}{r} 29 \\ \times 75 \\ \hline \end{array}$

To divide by a 3-digit divisor, use basic facts to decide on a trial quotient. Multiply and subtract. Check answers by estimating.

Find: $587 \div 213$

<p>Divide.</p> $213 \overline{)1,773}$ <p>$2\overline{)17}$ is about 8.</p>	<p>Multiply and subtract.</p> $\begin{array}{r} 8 \text{ R } 29 \\ 213 \overline{)1,773} \\ \underline{1,744} \\ 29 \end{array}$	<p>Check answers by estimating.</p> $\begin{array}{r} 9 \\ 200 \overline{)1,800} \\ \underline{1,800} \\ 0 \end{array}$
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Divide. Check answers by estimating.

3. $\begin{array}{r} 2 \text{ R } 100 \\ 126 \overline{)352} \\ \underline{252} \\ 100 \end{array}$ $223 \overline{)685}$ $234 \overline{)890}$ $306 \overline{)981}$

4. $367 \overline{)1,592}$ $218 \overline{)1,471}$ $489 \overline{)3,660}$ $158 \overline{)1,496}$

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Answer Key

1. 817	1,512	2,275	1,296	826	2,001	1,440	1,188
2. 1,975	1,312	6,545	1,488	2,976	2,451	1,008	2,175
3. 2 R100	3	3 R200	3				
4. 4 R100	6 R200	7 R200	9 R100				

