

## Chapter 3 Lesson 5

### Divide Multi-Digit Numbers

$$\begin{array}{r} 6 \text{ --- quotient} \\ 4 \overline{) 24} \text{ --- dividend} \\ \hline \end{array}$$

↑  
divisor

Dividend  
↓  
 $40 \div 8 = 5$   
Divisor ←      → Quotient

### The Steps

1. Divide - divisor into dividend
2. Multiply - quotient times divisor
3. Subtract
4. Check - Is the difference less than the divisor??
5. Bring down - If there is nothing to bring down the problem is over.

**Remember - Remainder**

**Does McDonald's Sell Cheese Burgers?**

Examples:

$$\begin{array}{r} 768 \div 8 \\ \times 96 \\ 8 \overline{) 768} \\ \underline{-72} \downarrow \\ 48 \\ \underline{-48} \\ 0 \end{array}$$

96

$$\begin{array}{r} 318 \div 16 \\ \times 19 R 14 \\ 16 \overline{) 318} \\ \underline{-16} \downarrow \\ 158 \\ \underline{-144} \\ 14 \end{array}$$

19 R 14

$$\begin{array}{r} 5 \\ 16 \\ \times 9 \\ \hline 144 \\ + 480 \\ \hline \end{array}$$

$7,814 \div 19$

$$\begin{array}{r} \times 411R5 \\ 19 \overline{) 7814} \end{array}$$

$$\begin{array}{r} -76 \downarrow \\ \hline \end{array}$$

$$21$$

$$\begin{array}{r} -19 \\ \hline \end{array}$$

$$24$$

$$\begin{array}{r} -19 \\ \hline \end{array}$$

$$5$$

$$\boxed{411R5}$$

$620 \div 11$

$$\begin{array}{r} \times 56R4 \\ 11 \overline{) 620} \end{array}$$

$$\begin{array}{r} -55 \\ \hline \end{array}$$

$$70$$

$$\begin{array}{r} -66 \\ \hline \end{array}$$

$$4$$

$$\boxed{56R4}$$

$$\begin{array}{r} 3 \\ 19 \\ \hline 57 \\ \hline 76 \end{array}$$

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Divisor

Quotient

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Examples:

$$768 \div 8$$

$$318 \div 16$$