

**LESSON**  
**5-1**

# Dividing Whole Numbers

## Reteach

**Division** is used to separate a quantity into a given number of equal parts.

It is also used to separate a quantity into parts of a specific size.

A **division algorithm** breaks division with greater numbers into a series of lesser divisions. Follow the steps for each lesser division:

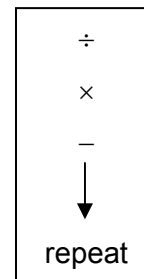
**Step 1:** Divide and write the number in the first correct place in the quotient.

**Step 2:** Multiply the divisor by the number in the quotient.

**Step 3:** Subtract.

**Step 4:** Bring down the next digit in the dividend.

Repeat these steps until there are no digits from the dividend left to bring down.



Jon bought a package of 792 labels. There are 24 sheets of labels in the package.

How many labels are on each sheet?

$$24 \overline{)792}$$

Divide to find the number of labels per sheet.

$$792 \text{ labels} \div 24 \text{ sheets}$$

Problem 1

$$24 \overline{)792} \begin{array}{l} \boxed{33} \\ -72 \\ \hline 72 \\ -72 \\ \hline 0 \end{array}$$

Divide.  $79 \div 24 = 3$ . Place 3 in the tens place.

Multiply.  $24 \times 3 = 72$

Subtract.  $79 - 72 = 7$

Bring down the next digit in the dividend: 2.

Problem 2

$$\begin{array}{r} 72 \\ -72 \\ \hline 0 \end{array}$$

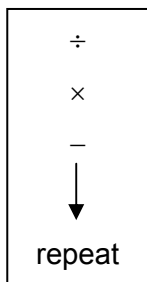
Repeat the process.

Divide.  $72 \div 24 = 3$ . Place 3 in the ones place.

Multiply.  $24 \times 3 = 72$

Subtract.  $72 - 72 = 0$

$792 \div 24 = 33$ . There are 33 labels on each sheet.



### Use the 4-step process to do the division.

- The art teacher has a box of 473 markers. She wants to distribute them evenly among 11 tables. How many markers will she put on each table?

Divide:  $47 \div \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

Multiply:  $11 \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

Subtract:  $47 - \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

Bring down the           .

Repeat the steps.

Divide:  $\underline{\hspace{2cm}} \div \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

Multiply:  $\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

Subtract:  $\underline{\hspace{2cm}} - \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

Answer:            markers

$$11 \overline{)473} \begin{array}{l} -44 \\ \hline 33 \\ -33 \\ \hline 0 \end{array}$$

