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| **MODULE:** 5 | **LESSON:** 1 | DIVIDING WHOLE NUMBERS |

**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:

÷

×



repeat

**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?

Divide to find the number of labels per sheet.



792 labels ÷ 24 sheets

÷

×



repeat

Problem 1 Divide. **79 ÷** **24 ** **3. Place 3 in the tens place.**



Multiply. **24 ×** **3 ** **72**

Subtract. **79  72 ** **7**



Bring down the next digit in the dividend: **2**.

Problem 2

Repeat the process.



**ones**

Divide.**72** **÷** **24** **** **3.** Place 3 in the \_\_\_\_\_\_\_\_\_\_\_ place.

Multiply. **24** **×** **3** **** **72**

Subtract. **72** **** **72** **** 0

792 ÷ 24  33. There are 33 labels on each sheet.