There are three ways the decimal part of a quotient can be interpreted when you solve a problem.

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<th>Situation</th>
<th>Interpretation</th>
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<tbody>
<tr>
<td>If the question asks for an exact number, use the entire quotient.</td>
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<tr>
<td>If the question asks how many whole groups are needed to put the dividend into a group, round the quotient up to the next whole number.</td>
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<tr>
<td>If the question asks how many whole groups can be made when you divide, drop the decimal part of the quotient.</td>
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To interpret the quotient, decide what the question is asking.

In the school library, there are tables that seat 4 students each. If there are 30 students in a class, how many tables are needed to seat all of the students?

To solve, divide 30 by 4.

$$30 \div 4 = 7.5$$

The question is asking how many tables (whole groups) are needed to put all of the students in the class (dividend) into a group.

So, round 7.5 up to the next whole number.

8 tables are needed to seat all of the students.

Interpret the quotient to solve each problem.

1. A recipe that serves 6 requires 9 cups of milk. How much milk is needed for each serving?

2. A storage case holds 24 model cars. Marla has 84 model cars. How many storage cases does she need to store all of her cars?

3. Kenny has $4.25 to spend at the school carnival. If game tickets are $0.50 each, how many games can Kenny play?