

Name: _____

Division Review

When you have a division word problem, you must decide what to do about any remainder.

If you must use *all* of what you are dividing up (the dividend) then you need to include the remainder.

For Example: Suppose that you need to fit everyone into a bus, or seat everyone at a table, or put every cookie into a bag, etc.—In each of these cases, you need an extra bus, table, bag, etc. to take care of the remainder (*if there is one*).

On the other hand, if what matters is the number of groups or the number in each group, then you forget about the remainder.

For Example: Suppose you need groups of a certain size. Or you want a certain number of groups, but they must all be the same size. In these cases, the remainder is extra, so it gets left out.

For each of these problems, decide what's important.

Is it important that everyone, or everything, be included in a group? If so you need an extra group for the remainder.

Is the size of the group what's important? Or that each group be of exactly the same size? Then the remainder gets left out.

1. You are working at a restaurant that has tables that fit 6 people each. If a party of 68 people make a dinner reservation, how many tables will you need to set aside for them?
2. You are ordering foot-long sandwiches for your soccer team. How many should you order so that all 10 soccer players get at least $\frac{1}{3}$ of a sandwich?

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3. How many baseball teams of 9 players each can you make from 245 little leaguers? (Check your work!)
4. You've made 12 *dozen* cookies. You are packaging them up as gifts for your 7 best friends. If you want each friend to get the same number of cookies, how many cookies should you give to each?
5. Ruby has 965 peaches. She is making peach pies for lunch and needs 8 peaches for each pie. How many pies can she make?