

Short Division With Remainders Word Problems

First complete the calculation using the short division (bus stop) method.

Then think about whether you will need to round the answer up or down so that it makes sense when answering the word problem.

For example, if the question was:

There are 16 friends leaving a concert. Five people can fit in a taxi. How many taxis will they need to get home? We know that $16 \div 5 = 3r1$. But we know that 3 taxis would not be enough as one person would be left out. So the answer must be 4 taxis. We had to round up.

1. A minibus can hold 10 children. If 123 children need to go on a school trip, how many minibuses will be needed?
2. Children are asked to work in groups of 4 for a science experiment. There are 35 children in the class. How many groups will there be?
3. 129 eggs are packed into boxes of 6. How many full boxes can be made?
4. Gift tags are packaged in bags of 8. If there are 367 gift tags, how many full bags can be made?
5. 9 people can sit in a row at the cinema. If there are 318 people, how many rows will they need?
6. There are 6 lanes in a swimming pool. 165 children are taking part in a competition, only one child can swim in each lane, How many rounds will there need to be so that everyone can compete?
7. There are 7 bags of Quavers in a multipack. How many full multipacks can be created with 783 bags?
8. On a school trip, there must be 1 adult to every 11 children to make sure it is safe. If there are 824 children on the trip, how many adults will be needed?

Now can you write two short division word problems of your own. One where the answer will need to be rounded up and one where it will need to be rounded down?