

Challenge 1

Have a go at making these word problems as a fraction. If you can simplify, I would like you to do so.

1. There are 6 bunches of grapes shared between 3 people
2. There are 12 toy cars shared between 6 children.
3. 3 people share 12 books.
4. 2 people are given 8 toffees between them.
5. There are 6 burgers shared between 2 people.
6. There are 10 bags of popcorn between 5 people.

Challenge 2

Have a go at making these word problems as a fraction. If you can simplify, I would like you to do so.

**Warning – two of these CANNOT be simplified, but which two?**

1. 16 teachers share 12 boxes of glue.
2. 9 marbles are shared between 18 bags
3. Ten players share five balls.
4. 12 artists share 8 tins of paint.
5. Seven boxes of crayons are shared between nine people.
6. 4 bottles of Pepsi are shared between 10 people.
7. Eleven toys are shared between thirteen children.
8. 10 pilots share 8 maps.

Challenge 3

Sixteen bars of chocolate are shared between thirty-two friends.

Which is the simplified fraction? Explain and justify fully.

8/16

1/2

4/8