

Name	Block H	Sheet 1		Class	Score
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Functional Problems

**1)**

50 people from the local youth group go on a trip to the local zoo.  
They go in minibuses that can seat up to 15 people.

It costs £30 for each minibus and £300 for all 50 people to enter the zoo.

How much will the trip cost each person?

**2)**

A ball is dropped and bounces to a height that is 60% of the height it was dropped from.

After each bounce, the ball always achieves 60% of its last height.

How many bounces will it take before the ball is less than 20% of its original height?