



Let's have a **BALL!**

The grade 9s want to have a formal **VALENTINE'S BALL** to raise funds to upgrade their common room. For fire and safety reasons, the school hall they want to hold it in, can only take 400 people. Their target is to raise R20 000.

EXPENSES:

MUSIC: An excellent DJ has offered their services at a reduced rate of R5 000 for the evening, plus the lighting.

DÉCOR: Cardboard and paint: R600

Paper tablecloths and napkins at R10 a pack of 10

100 balloons at R10 a packet of 10

TICKETS:

Printing: 400 tickets at R100 per 10

HIRING OF TABLES:

8 seater tables cost R60 each
How many tables are needed?

FOOD: Catering per head is R120

TOTAL COST: What is the total expense for 400 people?

PERMUTATIONS:

A If all the tickets are sold at R300 for a couple, what will the takings be?

How much profit will they make?

B If all the tickets are sold at R375 per couple, what will the takings be?

How much profit will they make?

C If they sell each ticket individually at R200 how much money will they take in?

How much profit will they make?

D If they sell each ticket individually at R250 how much money will they take in?

How much profit will they make?

