

# Maths Mission

You are going on a missions excursion with your class. In your cohort there are 28 students and your maths teacher.

1. The bus to and from the airport costs \$370, and the return air ticket has been bought at \$970. Departure tax at the airport is \$30 each and the visa to the country you are to minister in is \$40 per person. How much money will the maths teacher be collecting from each student?
2. Driving time to the airport is 1 hour 40 minutes. You expect to spend two hours in the airport. The flight time is three hours 15 minutes. Customs and immigration time at the destination is normally 30 minutes and the bus from the airport to the guest church, which is your base host, will take 45 minutes. You leave school at 6:30 am. The destination is in the same time zone as your school. What will the time be when you arrive at your base in the home church?
3. Your class managed to fundraise \$4557.90 to support the trip. Two benefactors promised to add to this. One said she would add 50 cents for every dollar you raised. The other said he would give \$2.40 for every dollar you raised. What is your total?
4. A local supermarket owner was so impressed by your missions project that she pledged a tithe on her profits for the week. Her profits were \$ 3,455 so what does she add to your total, given that she will put 10% your way?
5. How far from your school is the host church? From school to the airport is 121 km, the flight distance is 4, 798 km and the drive from the airport to the church is 60 km.
6. What is the average age of a student on your missions trip? The ages are: 13-14 year-olds: 11 students; 14-15 year-olds 10 students; 12 year-olds: 7 students.
7. You are on the missions site for 11 days. Each day you will be issued 3 x 600ml water bottles to keep up hydration levels in the heat. What is the total number of bottles that your teacher will order to be delivered to the church and what is the total volume of water your classmates will consume over the 11 days?
8. The population on the island is made up of 17% Catholic, 9% Protestant and the remainder animist. The population of the island is 7 499. How many animists are on the island? What is the ratio of animists to Christians?
9. The temperatures for the 11 days you are there are expected to range from 15 C at night to 38 C as a top in the daytime. What is the temperature in your school today, both high and low? Compare the average temperature on the island to the average temperature on campus.

