

## Maths with 6/7 and 2/3

On Wednesday mornings while some of the 6/7 class are at band the 2/3 class and 6/7 non-music students work together on problem solving. We try to include lots of 'real life' type situations and worded problems to work through. This is the one we did this week.

Question:

Jane was often late for school. Most days she was at least 5 minutes late. On 2 days each week she was 15 minutes late. Jane always forgot to get a drink and go to the toilet at break times so she would need to do this on the way back to class. This meant Jane was 3 minutes late back to class after recess and lunch. Jane would always stop to get a drink on her way to and back from other lessons. Jane went to 4 other lessons every week. This drink break would take 2 minutes each time. Jane would sometimes miss days if her homework wasn't finished or if she was finding something tricky. Jane averaged 5 days off each term. How many minutes did Jane miss each week? How much did she miss each term? How much did she miss each year? How much would she miss in her school life?

Remember there are 40 school weeks a year (an average of 10 per term) and you go to school for 13 years.

*We worked as a group and we looked at this question. We talked about minutes, hours and days. There was a lot of multiplication and division to work out the answer. We put all of our findings together and discovered that if Jane had missed this time at school by the end of her school life she would have missed approximately 184 hours per year, which is approximately 28 days a year. This equates to approximately 369 days in 13 years of schooling. This is equal to 1 and 2/3 of a year would be missed (numbers were rounded to make the working out a little easier).*