

## FRIDAY – LEVEL 1 REASONING AND PROBLEM SOLVING

Sue thinks of a number. 50% of Sue's number is 35. Sue's number is 70

a) Work out 10% of Sue's number. 10% of Sue's number is 7

b) Work out 1% of Sue's number. 1% of Sue's number is 0.7

Mo says,

I disagree with Mo because 50% means half of which is divided by 2 so Mo is wrong

To find 10% you divide  
by 10, so to find 50%  
you divide by 50



Do you agree? Explain why.

Eva says to find 1% of a number, you divide by 100

Whitney says to find 1% of a number, you divide by 10  
and then by 10 again.

Who do you agree with? Explain your answer. both of them are correct in their own way because if we have 50 and divided that by 10 we get 5 and if you divided 5 by 10 you get 0.5 but that is the same as dividing by 100 but in two parts so they are both correct

Joel is trying to find 10% of the number 342.

Joel says, 'I know I need to divide by 10 to find 10%. However, I can't divide this number by 10 as it is not a multiple of 10.'

Is Joel's statement correct? Explain your reasoning.

Joel's statement is not correct because if we use 42 that is not in the 10x table but we can divide it by 10 to get 4.2 so Joel can't still divide 342 to get his answer

