1) Use the bar model to help you find the answers to these questions.

I am up to page 127 in my 'Sweets and Treats' book. I need to read 96 more pages in order to be halfway through my book. How many pages does my book have altogether?

127	96
$\frac{1}{2}$ book =	

$\frac{1}{2}$ book =	$\frac{1}{2}$ book =
whole book =	

Answer these problems in words by thinking about the key information in the question.

a) 168 parents watched the performance of a class play on Monday evening. On Tuesday evening, there were 29 fewer parents watching the performance. How many parents altogether watched the performances?

b) The school hall is normally able to seat 350 people. There are 10 rows of seats with 35 seats in each row. Tonight, it can only fit in 9 rows of seats. If all of the above parents came tonight, would there be any seats left over?

c) Megan, Sadie and Ola have a combined age of 81. The combined age of Megan and Sadie is 52. If Megan is 24, how old must Sadie and Ola be?

d) The 'Healthy Scrumptious Snacks' cafe has just opened. It is looking at how much money it made in sales of food and drinks in the first two months. It sold £9456 worth of food and £3567 worth of drinks in the first month. In the second month, it made £380 less from food sales and £650 less from drinks sales than in the first month. The cafe's target was to sell £26 500 worth of food and drinks in the first two months. How much more did they need to sell to meet their target?

Three children record their calculations in order to show how they worked out this problem:

"I decide to buy my lunch from my local shop. One sandwich and a bottle of juice costs £2.26. If I were to buy one sandwich and two bottles of juice, it would cost £2.91. I decide that I will just buy a sandwich on its own. How much will the sandwich cost me?"

Lily

Kuba

Megan

I recorded this calculation to solve the problem:

£2.91 ÷ 3 = 97p

£2.26 - 97p = £1.29

The cost of one sandwich is £1.29.

I recorded my calculation like this:

£2.91 - £2.26 = 65p

£2.26 - 65p = £1.61

The cost of one sandwich is £1.61.

This was my calculation:

£2.26 ÷ 2 = £1.13

£2.90 - £1.13 = £1.77

The cost of one sandwich is £1.77.

Look carefully at each child's calculation. Explain which child you think has used the correct calculation and why.

Jack has £25 in his itunes account to spend on music. He downloads 'Jazz band' for £5.50 and 'Pop band' for £6.80. The next two albums '2010 hits' and '2000 hits' cost the same amount each. When he has finished downloading all four albums he has £1.50 left in his account.
How much did '2010 hits' and '2000 hits' cost him each?