LO: Finding the Whole with Percentages

Show your workings, using the bar model method, to calculate these answers:

1) If 30% is £270, what is the full amount?

2) I complete 20% of my puzzle and it takes 34 minutes. At this speed, how long would it take to complete the whole puzzle?

3) I weigh 5% of my sweets and they were 13g. How much do all my sweets weigh?

4) 15% of a tank of petrol costs £33.27. How much will the full tank cost?

5) I give away 55% of my money. I have £407.34 left. How much did I have to start with?

6) The table shows the number of people who visited a cinema over four days.

   a) Fill in the missing information.

Day	Percentage of total visitors	Number of visitors
Thursday	10%	
Friday		448
Saturday	45%	
Sunday		
Total		2,240

   b) How many more people went to the cinema on Saturday than Sunday?

   c) 60% of the visitors were children.

   How many children went to the cinema?