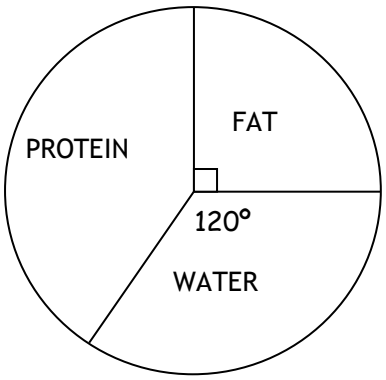
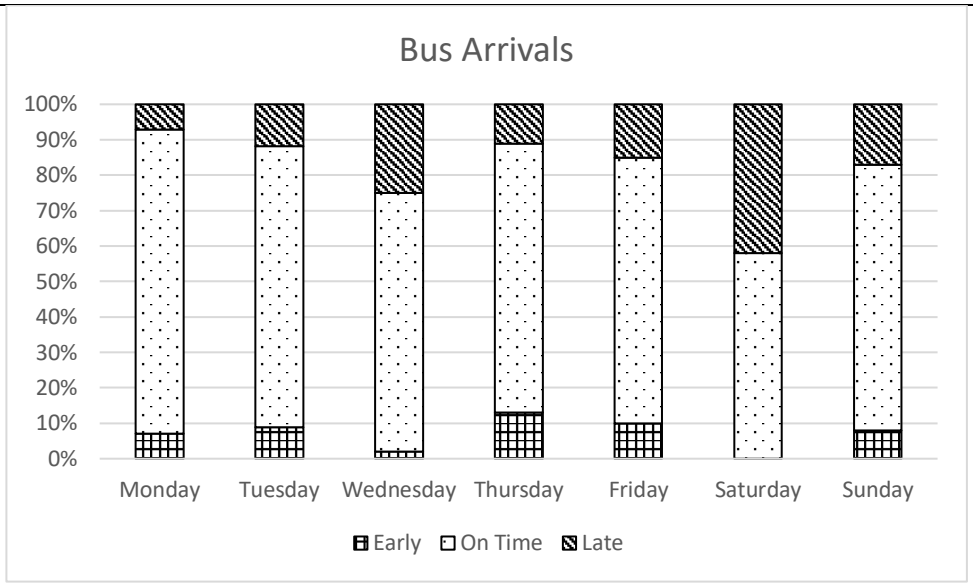
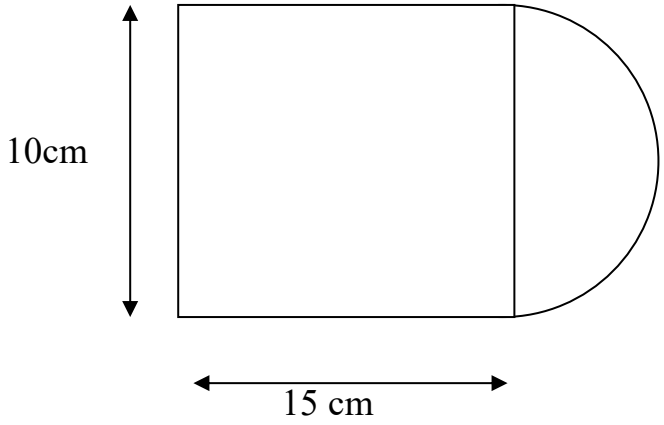
Practice for the Level 4 Block Test Non-Calculator		
1	Calculate (a) 15% of £40 (b) 22% of £80	4
2	Of the 80 adults living in a street, 50 of these did not vote in the last election. What percentage of the adults did not vote?	2
4	Change each of the following back into number form (a) 3.02×10^{5} (b) 1.05×10^{-6}	2
3	Write each of the following in scientific notation (a) 520 000 (b) 0.00512	2
5	Calculate the circumference of a circle with a radius of 2 cm. Give your answer rounded to 1 decimal place	3
6	The pie chart shows how Stilton Cheese is made up by weight.  6. The piece of Stilton contains 150g of FAT. Calculate the weight of the whole cheese.	2 1

7	 The graph above shows the percentage of buses that were early, on time and late during one week in January. (a) Which day had the most "early" buses (b) On one day it snowed from 4.00 pm to 11.pm, which day was that? (c) Which day do you think had the fewest passenger Complaints. Give a reason for your answer.	1 1 2
8	In the January Sales: Daniel buys converse trainers for £45 – original price £60. Jamie buys Adidas trainers for £35 – original price £50 Who got the better deal, give a reason for your answer	2

Practice for the Level 4 Block Test Calculator		
1	Calculate (a) 17% of £152 (b) 2.6% of £8	3
2	There are 3.06×10^{18} atoms in one kilogram of gold How many atoms are in 1 gram of gold? Give your answer in scientific notation.	3
3	A human hair has a diameter of 0.001 centimetres. What is the circumference of a human hair. Give your answer in scientific notation.	2
4	Calculate the total area of this shape  	4
5	Factorise (a) $4f - 2$ (b) $c^2 + 3c$ (c) $4xu - 6x^2 y$	2 2 2
6	Expand the bracket and collect like terms (a) $4(3h + 2) - 10h$ (b) $3(d + 2) - 5(d - 3)$	2 3
7	An ipad with a marked price of £290 is offered in the sale at 25% off. What is the sale price.	2

	If the shop allows you to purchase this ipad in 12 equal payments. How much are the first 11 payments and how much will the final payment be?	2
8	The table below shows how a group of 2nd year pupils travel to school. Bus 16 Car 10 Bike 2 Walk 12 Work out the sector angles and draw a pie chart to represent this data	4