Reverse Mean Intermediate/Higher GCSE Questions

Pete has seven Shetland ponies. They have a mean height of 116cm.
 Pete buys an eighth pony. The height of this pony is 128cm.
 Find the mean height of all eight ponies.

 The mean height of seven pupils is 123cm. One pupil of height 147cm leaves the group.

Find the mean height of the remaining six pupils

 There are 12 students in Phil's Maths group. The mean mark in a test is 76%. In Paul's group there are only eight students. Their mean mark is 84%. Find the overall mean for the 20 children. 4) Don delivers pint bottles of milk to two streets. For the first street of 10 houses, the mean number of bottles of milk he delivers is 3.1.
For the second street of six houses, the mean number of bottles he delivers is 2.5.

Find the mean number of bottles of milk he delivers per household for the two streets altogether.

5) Nigel has scored a mean of 18 runs in the last five cricket matches. His mean score must be 20 or more for him to be chosen for the school team. Find the number of runs that he must make in the next match if he is to be chosen for the school team.

6) Annabel recorded her test results in the back of her exercise book.

Maths	English	Physics	Chemistry	Biology
88%	85%	77%	79%	

Annabel knows the mean of her five tests was 81%. What did she get in Biology?

Numerical Answers: (1) 212.5cm (2) mp211 (2) mp2.711 (1) 30 runs (6) 76%