1. Prasha sees this advert for an apprenticeship.

Prasha will be paid for 52 weeks of the year.
She estimates that she will have an annual salary of £11,500.

a. Round £5.68.

b. Round 37.

c. Round 52.
d. Use your rounded figures to estimate Prasha’s salary.


e. Is Prasha’s estimate sensible?
2. Uditi wants to make a shoe tray.
   The tray will hold rows of shoes.
   She wants each row to hold 6 pairs of shows.
   Uditi measures the width of 5 pairs of her shoes.

   Here are the results in cm.

   18.2  19.7  19.4  18.6  18.9

   To find the total width of 6 pairs of shoes Uditi will multiply the median width of these shoes by 6.
   The width of the base of the tray will need to be 10% more than the total width of the 6 pairs of shoes and have an extra 3 cm at each end of the tray for a frame.
   Uditi draws this diagram of the largest shoe tray she can make with the wood she has.

   Uditi thinks this can hold her 6 pairs of shoes in a row.

   a. Find the median size of the five pairs of shoes.
b. Use the median to find the width of 6 pairs of shoes.

c. Find 10% of the total width of the shoes.

d. Add this to the width of the 6 shoes.

e. Add the frame measurements to this total.

f. Is Uditi correct? Why do you think this?