Homework Week 7 Term1 Maths - Finding Patterns

Question 1

These five houses are numbered consecutively.

The sum of the house numbers is 360.

Write the house numbers in each house.

Show your thinking and any working out.





Question 2

Four sisters get paid weekly pocket money for doing extra work around the house.

The girls get half the pocket money of the next oldest sister add \$1.

The youngest girl gets \$5. What do each of the girls get paid <u>annually</u>? Show your thinking and any working out.









Can you write a maths rule for this pattern?

Question 3 Mrs R. left the students in charge of feeding the Trevor the Turtle. for four days. Before the students took over, his food weighed 109.5 grams. After the fourth day, she measured it to be 94.0 grams. The students admitted that they increased Trevor's food by 0.25g per day. How much did they feed Trevor on the fourth day? Show your thinking and working out. Can you write a maths rule for this pattern?

