SOLVING NEGATIVE LINEAR INEQUALITIES

Answer all of these questions. Remember to show your working out in all questions.

MAIN QUESTIONS

MASTER QUESTIONS



- M1. A student scores 72% in a test. The teacher decides to deduct 5% for each day the assignment is late. If the student submits the assignment x days late, write an inequality to represent the score being above 50%.
- M2. A mobile phone plan costs £20 per month plus £0.10 per minute of call time. If a customer wants to spend no more than £30 per month, write an inequality to represent this situation.
- M3. A car rental company charges £40 per day plus £0.15 per mile driven. If a customer has a budget of £100 for a day, write an inequality to represent the possible miles driven.
- M4. A shop offers a discount of £5 for every £50 spent. If a customer wants to pay no more than £200 after discounts, write an inequality to represent the maximum amount they can spend before discounts. $x 5(x/50) \le 200$