(1) T shirts cost £10 and Jumpers cost £15. How much does x Jumpers and y T shirts cost?

(2) The shop now starts to sell Jackets at £20 each. How much would r Jackets cost? How much would p Jumpers, q T shirts and 3 Jackets cost?

(3) Jim visits the shop. He takes £100 with him. He likes Jumpers, T shirts and Jackets. Explain why:
   - 3p + 2q + 4r ≤ 20

(4) Based on all of the information so far, which of the following may be true:
   - p ≤ r
   - p + r + q < 5
   - 15p + 20r > 100

(5) A Ball park can hold 50 people. The number of children who attend is x, the number of adults who attend is y
   - 6 > S
   - 0.25T + 0.2S ≤ 1

(6) Children are charged £5 and adults £2. Fred has a budget of £200 for his Daughters birthday. Explain why 10x + 4y ≤ 400

(7) Fred has an additional £50 for snacks. And will spend a maximum of £1 on child. S is the number of chew bars and T are the number of Tacos each child eats. Chew bars are 20p, Tacos are 25p
   - 6 > S
   - 0.25T + 0.2S ≤ 1

(8) Which of the following combinations (S,T) satisfy the inequality in question 7:
   - (5,0)
   - (0,4)
   - (4,1)
   - (2,2)
   - (1,4)
   - (3,1)

*(9) State which scenario in question 8 is most favourable for Fred clearly outlining your justification.

(10) Fred ends up buying food for 10 children. And spending £10
   - 3 will only each Chew bars and 2 will only eat Tacos. Using the information from question 7, explain why:
     - S ≥ 3
     - T ≥ 2
     - 20S + 25T < 1001

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