





10. How many integer values of "x" are there such that the inequality is true? $1 < x^3 < 1000$ $10^3 = 1000$ 50 8:,2,3,4,5,6,7,8,9 11. Jake is less than 10 years old. Write an inequality for Jake's age 10> 5>0 12. Tom took his girlfriend out for his dinner. His budget was to spend up to \$300. Write an inequality for how much Tom can spend. X < 300 he can spend up to 300\$ Sandy has \$20 to spend on donuts. Each donut costs \$2.75. Write an inequality to express how many donuts Sandy can buy. 2.75d ≤ 20 SHe can buy 7 donuts d < 7 14. Jeff wants to buy a cellular phone plan so can watch YOUTUBE on his phone. Rogers charges base \$20 a month plus \$2.50 on each GB of data. If Jeff has \$100 a month to spend on data for his phone, how many GB of YOUTUBE can he afford to watch? 20+2.56 < 100 2.56 ≤ 80 G < 32 He can afford 32 GB of youtube.

