

Task 1

Qn	Answer
1	=SUM (B4 : B20)
2	=COUNTA (A4 : A20)
3	=MAX (C4 : C20)
4	One mark for working top formula, one mark for rest
	=VLOOKUP(C4, \$D\$27:\$F\$30,3,TRUE) =VLOOKUP(C5, \$D\$27:\$F\$30,3,TRUE) =VLOOKUP(C6, \$D\$27:\$F\$30,3,TRUE) =VLOOKUP(C7, \$D\$27:\$F\$30,3,TRUE) =VLOOKUP(C8, \$D\$27:\$F\$30,3,TRUE) =VLOOKUP(C9, \$D\$27:\$F\$30,3,TRUE) =VLOOKUP(C10, \$D\$27:\$F\$30,3,TRUE) =VLOOKUP(C11, \$D\$27:\$F\$30,3,TRUE) =VLOOKUP(C12, \$D\$27:\$F\$30,3,TRUE) =VLOOKUP(C13, \$D\$27:\$F\$30,3,TRUE) =VLOOKUP(C14, \$D\$27:\$F\$30,3,TRUE) =VLOOKUP(C15, \$D\$27:\$F\$30,3,TRUE) =VLOOKUP(C16, \$D\$27:\$F\$30,3,TRUE) =VLOOKUP(C17, \$D\$27:\$F\$30,3,TRUE) =VLOOKUP(C18, \$D\$27:\$F\$30,3,TRUE) =VLOOKUP(C19, \$D\$27:\$F\$30,3,TRUE) =VLOOKUP(C20, \$D\$27:\$F\$30,3,TRUE)
5	In the top formula, one mark for the calculation, one mark for rounding and one mark for the rest
	=ROUND (-FV (D4, C4, 0, B4) -B4, 4) =-FV (D5, C5, 0, B5) -B5 =-FV (D6, C6, 0, B6) -B6 =-FV (D7, C7, 0, B7) -B7 =-FV (D8, C8, 0, B8) -B8 =-FV (D9, C9, 0, B9) -B9 =-FV (D10, C10, 0, B10) -B10 =-FV (D11, C11, 0, B11) -B11 =-FV (D12, C12, 0, B12) -B12 =-FV (D13, C13, 0, B13) -B13 =-FV (D14, C14, 0, B14) -B14 =-FV (D15, C15, 0, B15) -B15 =-FV (D16, C16, 0, B16) -B16 =-FV (D17, C17, 0, B17) -B17 =-FV (D18, C18, 0, B18) -B18 =-FV (D19, C19, 0, B19) -B19 =-FV (D20, C20, 0, B20) -B20

6	One mark for working top formula, one mark for rest
	=IF(AND(B4>2000, C4>3), "Yes", "No") =IF(AND(B5>2000, C5>3), "Yes", "No") =IF(AND(B6>2000, C6>3), "Yes", "No") =IF(AND(B7>2000, C7>3), "Yes", "No") =IF(AND(B8>2000, C8>3), "Yes", "No") =IF(AND(B9>2000, C9>3), "Yes", "No") =IF(AND(B10>2000, C10>3), "Yes", "No") =IF(AND(B11>2000, C11>3), "Yes", "No") =IF(AND(B12>2000, C12>3), "Yes", "No") =IF(AND(B13>2000, C13>3), "Yes", "No") =IF(AND(B14>2000, C14>3), "Yes", "No") =IF(AND(B15>2000, C15>3), "Yes", "No") =IF(AND(B16>2000, C16>3), "Yes", "No") =IF(AND(B17>2000, C17>3), "Yes", "No") =IF(AND(B18>2000, C18>3), "Yes", "No") =IF(AND(B19>2000, C19>3), "Yes", "No") =IF(AND(B20>2000, C20>3), "Yes", "No")

Task 2

Qn	Answer
7(a)	students = 15
7(b)	total = 0 average = total / 15
	print ("The average score is ", average)
7(c)	while score<0 or score>100: score = int(input("Enter a score between 0 and 100: "))
8	students = int(input("Enter the number of students: "))

Task 3

9	Single errors are underlines, errors requiring 2 corrections are in bold.
	risk = {} #1 change dictionary to list count = 0 #2 to decide on counter or count bmi_total = 0 while counter <= 10: #3 should be 1000 height = int(input("Please enter your height in meters: ")) #4Change to float weight = int(input("Please enter your weight in kg: ")) #5change to float bmi = weight/height*height #6 add bracket for height*height bmi_total += bmi if bmi > 18.5 or bmi < 27.5: #7 bmi < 18.5, #8 bmi > 27.5

	<pre> print("You are at risk.") risk = risk + bmi #9 risk.append(bmi) counter += 1 bmi_average = bmi_total/counter print("Average BMI "+ bmi_average) #10 "Average BMI, bmi_average print("The following students with these BMI are at risk.") for i in risk: print(i) </pre>

Task 4

10	Correct input format
	Number validation for input
	Correct input style
	Calculate total number of members
	Print number of members above 55 years old
	Print number of members below 16 years old
	Print correct amount of discount
11	Picture of correct output
	Output of correct format
12	Correct number of M and F 1 for M 1 for F 1 for method
	Calculating oldest and youngest 1 for oldest 1 for youngest 1 for method
	Correct average 1 for method 1 for rounding to 1 decimal place
13	Picture of correct output
	Output of correct format