а	The number of ice creams sold over a period of 13 weeks is as follows:															
	146	151	158	3 15	8	161	149	160	147	158	160	21	6 2	25	238	
b	Write down the mode, and use technology to find the mean and median for this data set. Two dice are thrown 100 times and their total score is recorded in the table:															
	Score         2         3         4         5         6         7         8         9         10         11         12															
	Fre	quen	су	21	9	8	4	7	20	13	9	6	2	1		
Write down the mode, and use technology to find the mean and median for this data set.																
<b>c</b> The weights, <i>w</i> kg, of 50 cats are recorded in the table:																
	Weight (kg) Frequency															
	2 :	$\leq w \leq 3$	3		5											
	3≤	$\leq w \leq 4$	Ļ	1	9											
	4 :	$\leq w \leq 5$	5	1	17											
	5≤	$\leq w \leq 6$	5		5											
	6 :	$\leq w \leq 7$	7		3											
	7≤	$\leq w \leq 8$	3		1											
	Find	an app	orox	imati	on f	or the	e med	ian ar	id mea	an, ar	nd wr	te do	wn t	he r	nodal	class.
Press 🛛	stat 1:	Edit ar	nd pr	ress ∈	enter							L2	La		L4 L	5 1
Type th	ne num	nbers 1	.46,	151,	158,	158,	etc. ir	the fi	rst col	lumn.	1111	51 58 58				
Press enter or v after each number to move to the next cell.																
Note: If the list contains other numbers, you can clear it by pressing         stat       4:ClrList and press enter). The home screen displays ClrList. Press         2nd       1         [L1] and press enter]. Press stat       1:Edit and press enter) to return to         the table.       11																
To find the mean and median																
Press Stat and  to access the CALC menu.																
Select 1:1-Var Stats and press enter.																
Leave F	FreqLis	st emp	ty.		_											
Navigate to Calculate and press enter.																

The GDC displays a list of statistics for the data. The mode is 158, although the GDC does not show this. The mean, $\bar{x}$ , is 171.3.	$\begin{array}{c} \hline 1-Var Stats \\ \hline x=171.3076923 \\ \Sigma x=2227 \\ \Sigma x^2=393865 \\ S x=32.09720812 \\ \sigma x=30.83800007 \\ n=13 \\ minX=146 \\ \downarrow Q_1=150 \\ \end{array}$
Scroll down to see the median using <b>▼</b> . The median is 158.	<b>1-Van Stats</b> ↑Sx=32.09720812 σx=30.83800007 n=13 minX=146 Q1=150 Med=158 Q3=188.5 maxX=238
<ul> <li>Press stat 1:Edit and press enter</li> <li>Navigate up to the top of the first column. Press clear enter.</li> <li>This will clear the contents of the list L1. Take care not to press</li> <li>del as this will delete the list, not its contents.</li> <li>Type the numbers 2, 3, 4, 5, etc. in the first column.</li> <li>Press enter or ▼ after each number to move to the next cell.</li> </ul>	L1     L2     L3     L4     L5     1       2           3          4          5          6          7          8          9          10          11          12
Press     to move to the next column. Enter the frequencies of each of the ages in the second column.	L1     L2     L3     L4     L5     2       2     21          3     9         4     8         5     4         6     7         7     20     8     13       9     9         10     6        11     2        L2(11)=     1
To find the mean and median Press stat and  → to access the CALC menu. Select 1:1-Var Stats and press enter. Enter L <sub>2</sub> as the FreqList by pressing 2nd 2 [L2]. Navigate to Calculate and press enter.	<u>1-Var Stats</u> List:L1 FreqList:L2 Calculate
The GDC displays a list of statistics for the data. The mode is 2, although the GDC does not show this. The mean, $\bar{x}$ , is 5.82.	$\frac{1-\text{Var Stats}}{x=5.82}$ \$\sigma = 5.82 \$\sigma = 2.815469532 \$\sigma = 2.801356814 n=100 minX=2 \$\sigma = 2 \$\sigma = 2.801356814 \$\sigma = 2.801356814 \$\sigma = 2.801356814 \$\sigma = 1.80 \$\sigma = 2.801356814 \$\sigma = 2.801256814 \$\sigma = 2.801256814

Scroll down to see the median using $-$ . The median is 7.	1-Van Stats ↑Sx=2.815469532 σx=2.801356814 n=100 minX=2 Q1=3 Med=7 Q3=8 maxX=12
<ul> <li>Press stat 1:Edit and press enter</li> <li>Navigate up to the top of the first and second columns. Press Clear enter. This will clear the contents of lists L1 and L2. Take care not to press del as this will delete the lists, not their contents.</li> <li>Enter the midpoints of the groups: 2.5, 3.5, etc. in the first column.</li> <li>Press enter or   after each number to move to the next cell.</li> </ul>	L1 L2 L3 L4 L5 1 2.5 3.5 4.5 5.5 6.5 7.5 L1(7)=
Press  I to move to the next column. Enter the frequencies of each of the ages in the second column.	L1         L2         L3         L4         L5         2           2.5         5
The Modal class = $3 \le w < 4$ . To find the mean and median Press stat and $\blacktriangleright$ to access the CALC menu. Select 1:1-Var Stats and press enter. Enter L <sub>2</sub> as the FreqList by pressing 2nd 2 [L2]. Navigate to Calculate and press enter.	<b>1-Var Stats</b> List:L1 FreqList:L2 Calculate
The GDC displays a list of statistics for the data. Approximation for the mean = 4.2 kg.	$\frac{1-\text{Var Stats}}{\bar{x}=4.2}$ \$\sum x=210\$ \$\sum x=2942.5\$ \$\sum x=1.111167799\$ \$\sum x=1.1\$ \$n=50\$ \$\min x=2.5\$ \$\Q1=3.5\$

Scroll down to see the median using $igsireftarrow$ .	1-Var Stats
Approximation for the median = $4.5 \text{ kg}$ .	σx=1.1         n=50         minX=2.5         Q1=3.5         Med=4.5         Q3=4.5         maxX=7.5