



Crack the Code



Mean from a Frequency Table

A	Find the mean test score. <table border="1" data-bbox="201 414 606 745"><thead><tr><th>Test Mark</th><th>Frequency</th></tr></thead><tbody><tr><td>7</td><td>6</td></tr><tr><td>8</td><td>7</td></tr><tr><td>9</td><td>5</td></tr><tr><td>10</td><td>2</td></tr></tbody></table> 8.15	Test Mark	Frequency	7	6	8	7	9	5	10	2	Find the mean goals scored. <table border="1" data-bbox="900 414 1305 745"><thead><tr><th>Number of goals</th><th>Frequency</th></tr></thead><tbody><tr><td>0</td><td>4</td></tr><tr><td>1</td><td>8</td></tr><tr><td>2</td><td>5</td></tr><tr><td>3</td><td>3</td></tr></tbody></table> 1.35	Number of goals	Frequency	0	4	1	8	2	5	3	3
Test Mark	Frequency																					
7	6																					
8	7																					
9	5																					
10	2																					
Number of goals	Frequency																					
0	4																					
1	8																					
2	5																					
3	3																					
C	Find the mean age of the students. <table border="1" data-bbox="201 851 606 1182"><thead><tr><th>Age (y)</th><th>Frequency</th></tr></thead><tbody><tr><td>11</td><td>6</td></tr><tr><td>12</td><td>7</td></tr><tr><td>13</td><td>8</td></tr><tr><td>14</td><td>4</td></tr></tbody></table> 12.4	Age (y)	Frequency	11	6	12	7	13	8	14	4	Find the mean number of pets. <table border="1" data-bbox="900 851 1305 1182"><thead><tr><th>Number of pets</th><th>Frequency</th></tr></thead><tbody><tr><td>0</td><td>11</td></tr><tr><td>1</td><td>15</td></tr><tr><td>2</td><td>3</td></tr><tr><td>3</td><td>1</td></tr></tbody></table> 1.2	Number of pets	Frequency	0	11	1	15	2	3	3	1
Age (y)	Frequency																					
11	6																					
12	7																					
13	8																					
14	4																					
Number of pets	Frequency																					
0	11																					
1	15																					
2	3																					
3	1																					
E	Find the mean shoe size. <table border="1" data-bbox="201 1288 606 1619"><thead><tr><th>Shoe size</th><th>Frequency</th></tr></thead><tbody><tr><td>4</td><td>3</td></tr><tr><td>5</td><td>7</td></tr><tr><td>6</td><td>6</td></tr><tr><td>7</td><td>4</td></tr></tbody></table> 5.55	Shoe size	Frequency	4	3	5	7	6	6	7	4	Find the mean age of the children. <table border="1" data-bbox="900 1288 1305 1619"><thead><tr><th>Age (y)</th><th>Frequency</th></tr></thead><tbody><tr><td>6</td><td>1</td></tr><tr><td>7</td><td>1</td></tr><tr><td>8</td><td>3</td></tr><tr><td>9</td><td>5</td></tr></tbody></table> 8.2	Age (y)	Frequency	6	1	7	1	8	3	9	5
Shoe size	Frequency																					
4	3																					
5	7																					
6	6																					
7	4																					
Age (y)	Frequency																					
6	1																					
7	1																					
8	3																					
9	5																					
G	Find the mean number of children. <table border="1" data-bbox="201 1724 606 2056"><thead><tr><th>No. of children</th><th>Frequency</th></tr></thead><tbody><tr><td>0</td><td>5</td></tr><tr><td>1</td><td>8</td></tr><tr><td>2</td><td>11</td></tr><tr><td>3</td><td>6</td></tr></tbody></table> 1.6	No. of children	Frequency	0	5	1	8	2	11	3	6	Find the mean test score. <table border="1" data-bbox="900 1724 1305 2056"><thead><tr><th>Score</th><th>Frequency</th></tr></thead><tbody><tr><td>7</td><td>8</td></tr><tr><td>8</td><td>7</td></tr><tr><td>9</td><td>12</td></tr><tr><td>10</td><td>3</td></tr></tbody></table> 8.3	Score	Frequency	7	8	8	7	9	12	10	3
No. of children	Frequency																					
0	5																					
1	8																					
2	11																					
3	6																					
Score	Frequency																					
7	8																					
8	7																					
9	12																					
10	3																					

I	Find an estimate of the mean.		J	Find an estimate of the mean weight.	
	Number of messages	Frequency		Weight (g)	Frequency
	0 - 4	5		$0 < w \leq 10$	2
	5 - 9	8		$10 < w \leq 20$	4
	10 - 14	4		$20 < w \leq 30$	3
	15 - 19	3	$30 < w \leq 40$	1	
		8.25		18	
K	Find an estimate of the mean time.		L	Find an estimate of the mean height.	
	Time (min)	Frequency		Height (cm)	Frequency
	$0 < t \leq 2$	4		$100 < h \leq 120$	6
	$2 < t \leq 4$	9		$120 < h \leq 140$	6
	$4 < t \leq 6$	0		$140 < h \leq 160$	6
	$6 < t \leq 8$	7	$160 < h \leq 180$	2	
		4		134	
M	Find an estimate of the mean cost.		N	Find an estimate of the mean weight.	
	Cost (p)	Frequency		Weight (g)	Frequency
	$10 < C \leq 20$	5		$100 < w \leq 150$	1
	$20 < C \leq 30$	8		$150 < w \leq 200$	3
	$30 < C \leq 40$	4		$200 < w \leq 250$	4
	$40 < C \leq 50$	3	$250 < w \leq 300$	2	
		27.5		210	
O	Find an estimate of the mean length.		P	Find an estimate of the mean height.	
	Length (cm)	Frequency		Height (cm)	Frequency
	$10 < l \leq 20$	15		$20 < C \leq 30$	10
	$20 < l \leq 30$	14		$30 < C \leq 40$	16
	$30 < l \leq 40$	11		$40 < C \leq 50$	13
	$40 < l \leq 50$	10	$50 < C \leq 60$	11	
		28.2		40	

Add together all your answers and round to the nearest integer to get the three-digit code. **516.73** → **517**