

Crack the Code

Mean from a Table

A	Find the mean test score.	<table border="1"><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>	Test Mark	Frequency	7	6	8	7	9	5	10	2	8.15
	Test Mark	Frequency											
	7	6											
	8	7											
	9	5											
10	2												
B	Find the mean goals scored.	<table border="1"><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>	Number of goals	Frequency	0	4	1	8	2	5	3	3	1.35
	Number of goals	Frequency											
	0	4											
	1	8											
	2	5											
3	3												
C	Find the mean age of the students.	<table border="1"><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>	Age (y)	Frequency	11	6	12	7	13	8	14	4	12.4
	Age (y)	Frequency											
	11	6											
	12	7											
	13	8											
14	4												
D	Find the mean number of pets.	<table border="1"><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>	Number of pets	Frequency	0	11	1	15	2	3	3	1	1.2
	Number of pets	Frequency											
	0	11											
	1	15											
	2	3											
3	1												
E	Find the mean shoe size.	<table border="1"><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>	Shoe size	Frequency	4	3	5	7	6	6	7	4	5.55
	Shoe size	Frequency											
	4	3											
	5	7											
	6	6											
7	4												
F	Find the mean age of the children.	<table border="1"><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>	Age (y)	Frequency	6	1	7	1	8	3	9	5	8.2
	Age (y)	Frequency											
	6	1											
	7	1											
	8	3											
9	5												
G	Find the mean number of children.	<table border="1"><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>	No. of children	Frequency	0	5	1	8	2	11	3	6	1.6
	No. of children	Frequency											
	0	5											
	1	8											
	2	11											
3	6												
H	Find the mean test score.	<table border="1"><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>	Score	Frequency	7	8	8	7	9	12	10	3	8.3
	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						