



# Fill In The Blanks...



## Mean from a Grouped Frequency Table

| Value                   | Frequency  | Midpoint | Midpoint<br>× Freq |
|-------------------------|------------|----------|--------------------|
| 10 ≤ x < 12             | 6          | 11       | 66                 |
| 12 ≤ x < 14             | 9          | 13       | 117                |
| 14 ≤ x < 16             | 5          | 15       | 75                 |
| <b>Totals</b>           | 20         |          | 258                |
| <b>Estimate of Mean</b> | 258 ÷ 20 = |          |                    |

| Value                   | Frequency | Midpoint | Midpoint<br>× Freq |
|-------------------------|-----------|----------|--------------------|
| 20 ≤ x < 30             | 9         | 25       | 225                |
| 30 ≤ x < 40             | 7         | 35       |                    |
| 40 ≤ x < 50             | 4         | 45       |                    |
| <b>Totals</b>           | 20        |          |                    |
| <b>Estimate of Mean</b> | ÷ 20 =    |          |                    |

| Value                   | Frequency | Midpoint | Midpoint<br>× Freq |
|-------------------------|-----------|----------|--------------------|
| 20 ≤ x < 24             | 6         | 22       |                    |
| 24 ≤ x < 28             | 10        |          |                    |
| 28 ≤ x < 32             | 5         |          |                    |
| 32 ≤ x < 36             | 4         |          |                    |
| <b>Totals</b>           | 25        |          |                    |
| <b>Estimate of Mean</b> | ÷ =       |          |                    |

| Value                   | Frequency | Midpoint | Midpoint<br>× Freq |
|-------------------------|-----------|----------|--------------------|
| 5 ≤ x < 10              | 7         |          |                    |
| 10 ≤ x < 15             | 7         |          |                    |
| 15 ≤ x < 20             | 8         |          |                    |
| 20 ≤ x < 25             | 3         |          |                    |
| <b>Totals</b>           | 25        |          |                    |
| <b>Estimate of Mean</b> | ÷ =       |          |                    |

| <i>Value</i>                | <i>Frequency</i> | <i>Midpoint</i> | <i>Midpoint<br/>× Freq</i> |
|-----------------------------|------------------|-----------------|----------------------------|
| 100 ≤ <i>x</i> < 120        | 7                |                 |                            |
| 120 ≤ <i>x</i> < 140        | 12               |                 |                            |
| 140 ≤ <i>x</i> < 160        |                  |                 |                            |
| 160 ≤ <i>x</i> < 180        | 2                |                 |                            |
| <i>Totals</i>               | 30               |                 |                            |
| <i>Estimate<br/>of Mean</i> | ÷                | =               |                            |

| <i>Value</i>                | <i>Frequency</i> | <i>Midpoint</i> | <i>Midpoint<br/>× Freq</i> |
|-----------------------------|------------------|-----------------|----------------------------|
| 0 ≤ <i>x</i> < 2            |                  |                 | 3                          |
| 2 ≤ <i>x</i> < 4            |                  |                 | 9                          |
| 4 ≤ <i>x</i> < 6            |                  |                 | 40                         |
| 6 ≤ <i>x</i> < 8            |                  |                 | 42                         |
| <i>Totals</i>               | 20               |                 |                            |
| <i>Estimate<br/>of Mean</i> | ÷                | 20              | =                          |

| <i>Value</i>                | <i>Frequency</i> | <i>Midpoint</i> | <i>Midpoint<br/>× Freq</i> |
|-----------------------------|------------------|-----------------|----------------------------|
| 0 ≤ <i>x</i> <              |                  |                 | 40                         |
| ≤ <i>x</i> <                |                  |                 | 240                        |
| ≤ <i>x</i> <                |                  |                 | 275                        |
| ≤ <i>x</i> < 40             |                  |                 |                            |
| <i>Totals</i>               |                  |                 |                            |
| <i>Estimate<br/>of Mean</i> | ÷                | 40              | = 18.25                    |

| <i>Value</i>                | <i>Frequency</i> | <i>Midpoint</i> | <i>Midpoint<br/>× Freq</i> |
|-----------------------------|------------------|-----------------|----------------------------|
| ≤ <i>x</i> <                |                  |                 |                            |
| ≤ <i>x</i> <                |                  |                 |                            |
| ≤ <i>x</i> <                |                  | 55              | 1430                       |
| ≤ <i>x</i> <                |                  | 65              | 780                        |
| <i>Totals</i>               |                  |                 |                            |
| <i>Estimate<br/>of Mean</i> | ÷                | 50              | = 54.2                     |

In each table, values are grouped into classes of equal width.