|  |  |
| --- | --- |
| **Fill in the Blanks** | **Mean from a Grouped Frequency Table** |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| $$Value$$ | $$Frequency$$ | $$Midpoint$$ | $$Midpoint$$$$×Freq$$ |  | $$Value$$ | $$Frequency$$ | $$Midpoint$$ | $$Midpoint$$$$×Freq$$ |
| $$10$$ | $$\leq x<$$ | $$12$$ | $$6$$ | $$11$$ | $$66$$ |  | $$20$$ | $$\leq x<$$ | $$30$$ | $$9$$ | $$25$$ | $$225$$ |
| $$12$$ | $$\leq x<$$ | $$14$$ | $$9$$ | $$13$$ | $$117$$ |  | $$30$$ | $$\leq x<$$ | $$40$$ | $$7$$ | $$35$$ |  |
| $$14$$ | $$\leq x<$$ | $$16$$ | $$5$$ | $$15$$ | $$75$$ |  | $$40$$ | $$\leq x<$$ | $$50$$ | $$4$$ | $$45$$ |  |
| $$Totals$$ | $$20$$ |  | $$258$$ |  | $$Totals$$ | $$20$$ |  |  |
| $$Estimate $$$$of Mean$$ | $$258$$ | $$÷$$ | $$20$$ | $$=$$ |  |  | $$Estimate $$$$of Mean$$ |  | $$÷$$ | $$20$$ | $$=$$ |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| $$Value$$ | $$Frequency$$ | $$Midpoint$$ | $$Midpoint$$$$×Freq$$ |  | $$Value$$ | $$Frequency$$ | $$Midpoint$$ | $$Midpoint$$$$×Freq$$ |
| $$20$$ | $$\leq x<$$ | $$24$$ | $$6$$ | $$22$$ |  |  | $$5$$ | $$\leq x<$$ | $$10$$ | $$7$$ |  |  |
| $$24$$ | $$\leq x<$$ | $$28$$ | $$10$$ |  |  |  | $$10$$ | $$\leq x<$$ | $$15$$ | $$7$$ |  |  |
| $$28$$ | $$\leq x<$$ | $$32$$ | $$5$$ |  |  |  | $$15$$ | $$\leq x<$$ | $$20$$ | $$8$$ |  |  |
| $$32$$ | $$\leq x<$$ | $$36$$ | $$4$$ |  |  |  | $$20$$ | $$\leq x<$$ | $$25$$ | $$3$$ |  |  |
| $$Totals$$ | $$25$$ |  |  |  | $$Totals$$ | $$25$$ |  |  |
| $$Estimate $$$$of Mean$$ |  | $$÷$$ |  | $$=$$ |  |  | $$Estimate $$$$of Mean$$ |  | $$÷$$ |  | $$=$$ |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| $$Value$$ | $$Frequency$$ | $$Midpoint$$ | $$Midpoint$$$$×Freq$$ |  | $$Value$$ | $$Frequency$$ | $$Midpoint$$ | $$Midpoint$$$$×Freq$$ |
| $$100$$ | $$\leq x<$$ | $$120$$ | $$7$$ |  |  |  | $$0$$ | $$\leq x<$$ | $$2$$ |  |  | $$3$$ |
| $$120$$ | $$\leq x<$$ | $$140$$ | $$12$$ |  |  |  | $$2$$ | $$\leq x<$$ | $$4$$ |  |  | $$9$$ |
| $$140$$ | $$\leq x<$$ | $$160$$ |  |  |  |  | $$4$$ | $$\leq x<$$ | $$6$$ |  |  | $$40$$ |
| $$160$$ | $$\leq x<$$ | $$180$$ | $$2$$ |  |  |  | $$6$$ | $$\leq x<$$ | $$8$$ |  |  | $$42$$ |
| $$Totals$$ | $$30$$ |  |  |  | $$Totals$$ | $$20$$ |  |  |
| $$Estimate $$$$of Mean$$ |  | $$÷$$ |  | $$=$$ |  |  | $$Estimate $$$$of Mean$$ |  | $$÷$$ | $$20$$ | $$=$$ |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| $$Value$$ | $$Frequency$$ | $$Midpoint$$ | $$Midpoint$$$$×Freq$$ |  | $$Value$$ | $$Frequency$$ | $$Midpoint$$ | $$Midpoint$$$$×Freq$$ |
| $$0$$ | $$\leq x<$$ |  |  |  | $$40$$ |  |  | $$\leq x<$$ |  |  |  |  |
|  | $$\leq x<$$ |  |  |  | $$240$$ |  |  | $$\leq x<$$ |  |  |  |  |
|  | $$\leq x<$$ |  |  |  | $$275$$ |  |  | $$\leq x<$$ |  |  | $$55$$ | $$1430$$ |
|  | $$\leq x<$$ | $$40$$ |  |  |  |  |  | $$\leq x<$$ |  |  | $$65$$ | $$780$$ |
| $$Totals$$ |  |  |  |  | $$Totals$$ |  |  |  |
| $$Estimate $$$$of Mean$$ |  | $$÷$$ | $$40$$ | $$=$$ | $$18.25$$ |  | $$Estimate $$$$of Mean$$ |  | $$÷$$ | $$50$$ | $$=$$ | $$54.2$$ |

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