## Mean for Grouped Data

Total points = 14

### Scores of 10–Tesla Students in the $\mathbf{4}^{th}$ Periodic Test in Mathematics

		✓	✓
Score	f	x	fX
46 - 50	2	48	96
41 – 45	9	43	387
36 – 40	13	38	494
31 – 35	11	33	363
26 – 30	10	28	280
21 – 25	5	23	115
<i>i</i> = 5 ✓	$\sum f = 50 \checkmark$		$\sum fX = 1,735 \ \checkmark$

$$\bar{x} = \frac{\sum fX}{\sum f} \checkmark$$

$$\bar{x} = \frac{1,735}{50} \checkmark$$

$$\bar{x} = 34.7 \checkmark$$

# Number of Mistakes Made by 50 Students in Factoring Quadratic

		✓	✓
Number of Mistakes	f	x	fX
0 – 2	4	1	4
3 – 5	8	4	32
6 – 8	15	7	105
9 – 11	10	10	100
12 – 14	6	13	78
15 – 17	5	16	80
18 – 20	2	19	38
i = 5 <b>√</b>	$\sum f = 50 \checkmark$		$\sum fX = 437 \checkmark$

$$\bar{x} = \frac{\sum fX}{\sum f} \checkmark$$

$$\bar{x} = \frac{437}{50} \checkmark$$

$$\bar{x} = 8.74 \checkmark$$

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#### Mean for Grouped Data

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#### Scores of 10–Tesla Students in the $\mathbf{4}^{th}$ Periodic Test in Mathematics

Score         f         X         fX $46-50$ 2         48         96 $41-45$ 9         43         387 $36-40$ 13         38         494 $31-35$ 11         33         363 $26-30$ 10         28         280 $21-25$ 5         23         115 $i=5$ $\sum fX=1,735$ $\sum fX=1,735$			✓	✓
41 - 45     9     43     387       36 - 40     13     38     494       31 - 35     11     33     363       26 - 30     10     28     280       21 - 25     5     23     115	Score	f	x	fX
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