



11. In the grid below each of the blank squares and the square marked X are to be filled by the mean of the two numbers in its adjacent squares. Which number should go in the square marked X ?

| | | | | | |
|----|--|--|-----|--|----|
| 10 | | | X | | 25 |
|----|--|--|-----|--|----|

A 15

B 16

C 17

D 18

E 19

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11. E For each square to be filled with the mean of the numbers in the adjacent squares, the differences between all five pairs of adjacent numbers must be equal. This common difference is $\left(\frac{25 - 10}{5}\right)$ which is 3. The grid is then

| | | | | | |
|----|----|----|-----------|----|----|
| 10 | 13 | 16 | 19 | 22 | 25 |
|----|----|----|-----------|----|----|

and the 19 is in the desired square.