

ComNet (USA) LLC
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SECTION 3: APPLICATION OF RATES

3.3 Rates Based Upon Distance (cont'd.)

B) The airline distance between any two rate centers is determined as follows (cont'd.):

f) Obtain the square root of the product in (e) and, with any resulting fraction, round up to the next higher integer. This is the message rate mileage except that when the mileage so obtained is less than the minimum rate shown in (e) - preceding, the minimum rate mileage corresponding to the “N” value is applicable.

C) Example

a) The message rate distance is required between Town A and Town B.

	<u>V</u>	<u>H</u>
Town A	5632	1590
Town B	5671	1631

b)	Difference	39	41
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c) dividing each difference by three and rounding to the nearest integer - 13 and 14

d) squaring integers and adding, $13 \times 13 = 169$
 $14 \times 14 = 196$
sum of squared integers 365

The sum of squared integers is less than 1,777 and was obtained after one division by three; therefore, “N” = 1.

e) Multiply final sum of squared integers by factor 0.9 (corresponding to “N” = 1)
 $365 \times 0.9 = 32.85$

f) The square root of 32.85 is 5.73, which is rounded up to 6 miles. There is no minimum rate mileage requirement when “N” = 1, so the message rate mileage is 6 miles.

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