

Selected Response

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|------|------|------|-------|-------|-------|
| 1) D | 4) B | 7) A | 10) C | 13) B | 16) C |
| 2) B | 5) D | 8) A | 11) B | 14) B | 17) B |
| 3) A | 6) B | 9) B | 12) D | 15) A | 18) A |

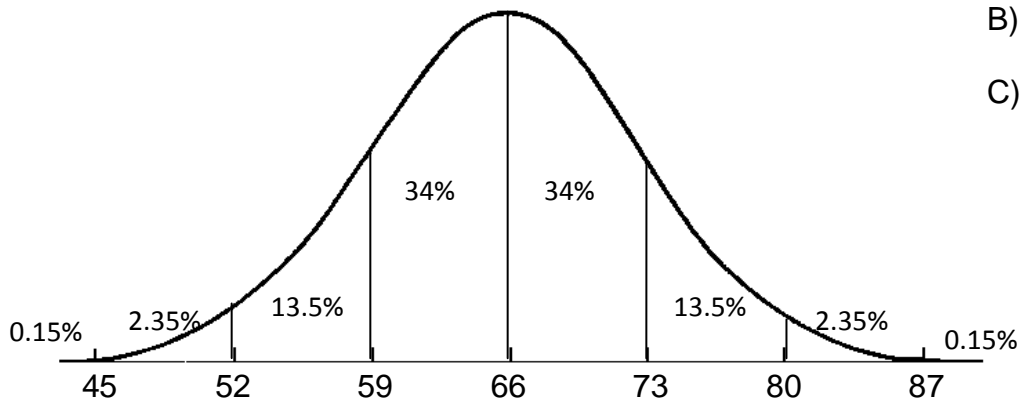
Constructed Response

19) total distance travelled = 10.5 km

20) $105\sqrt{2} - 10\sqrt{3}$

21) Restrictions: $x \geq -\frac{1}{3}$ Solve: $x = 0$ Verify: $-2 \neq -4$ Extraneous root

22A)



B) 16%

C) 52 students

23) vertex: $(1, -9)$

y – intercept: $(0, -8)$

