Determining constant $kAverageWashroomTime$

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Proof. Given $t_{FL} = 152.5, t_{FH} = 180.6, t_{ML} = 83.6, t_{MH} = 112.5$.[1] So,

$$t_{avg} = \frac{t_{FL} + t_{FH} + t_{ML} + t_{MH}}{4}$$
$$= \frac{529.2}{4}$$
$$= 132.3 \text{ seconds}$$

Conversion of t_{avg} to minutes yields $\tau_{avg} = 2.205$ minutes $\square$

References

[1] Sandra K Rawls. *Restroom usage in selected public buildings and facilities: A comparison of females and males*. PhD thesis, Virginia Polytechnic Institute and State University, 1988.