

17 (a) Let $f(x) = 0.8\lceil x/2 \rceil$ for $6 \leq x \leq 18$

(b) Graph $Y_1 = 0.8 \cdot \text{int}(X/2)$ as shown in *Figure 17*.

[6, 18, 1] by [0, 8, 1]

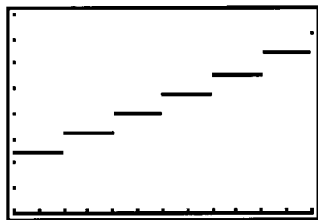


Figure 17

(c) $f(8.5) = 0.8\lceil 8.5/2 \rceil = 0.8\lceil 4.25 \rceil = 0.8 \times 4 = \3.20 ;

$f(15.2) = 0.8\lceil 15.2/2 \rceil = 0.8\lceil 7.6 \rceil = 0.8 \times 8 = \6.40