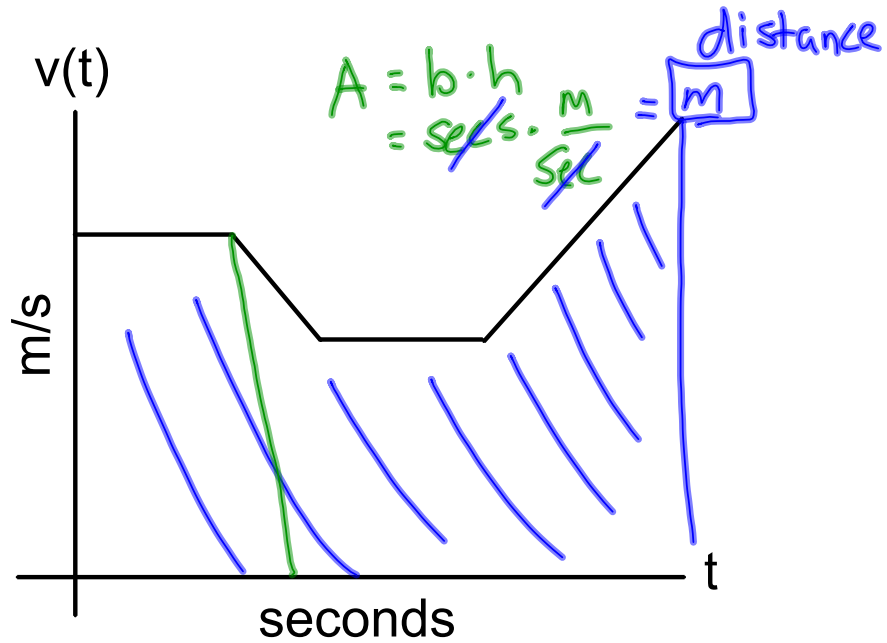
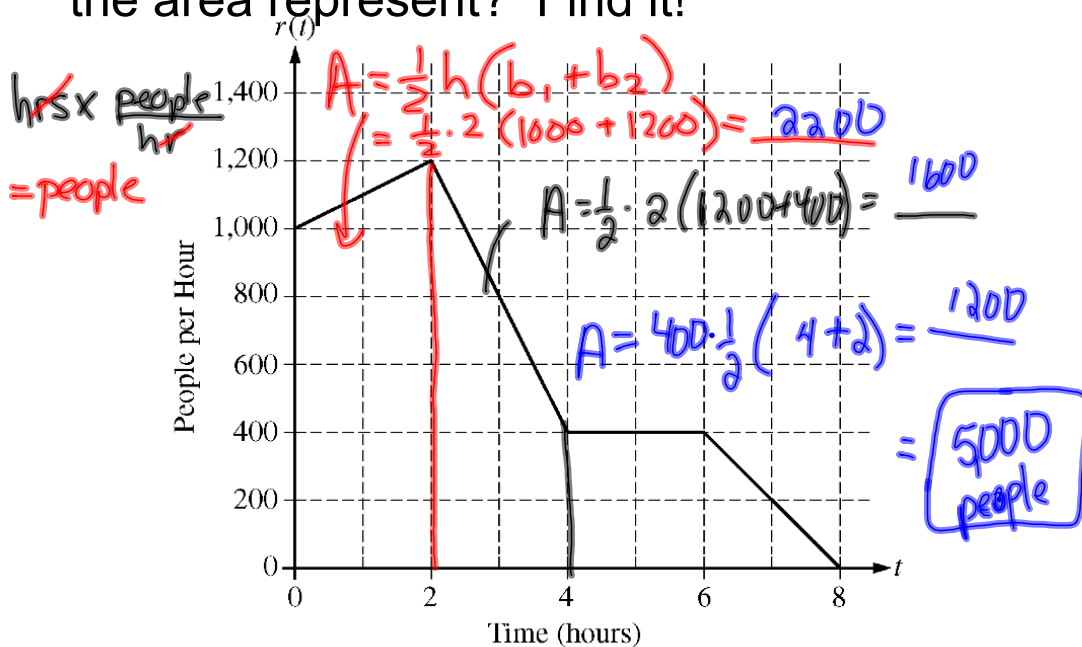


When you find area under a velocity vs time graph, what are you finding?



This graph represents the rate at which people are entering a concert. What does the area represent? Find it!



Use LRAM and RRAM to approximate the value of  $\int_2^{13} f(x) dx$ .

$x$	2	3	5	8	13
$f(x)$	1	4	-2	3	6

LRAM

$$A = 1 \cdot 1 + 2 \cdot 4 + 3 \cdot 2 + 5 \cdot 3 = \boxed{30}$$

RRAM

$$A = 1 \cdot 4 + 2 \cdot 2 + 3 \cdot 3 + 5 \cdot 6 = \boxed{47}$$