Quiz #31   Name: _Key_____

You must show your work to get full credit.

A fraternity decides to make some money by selling a guide to the bars of Five Points. The rate of sales of the guides is given in Figure 1.
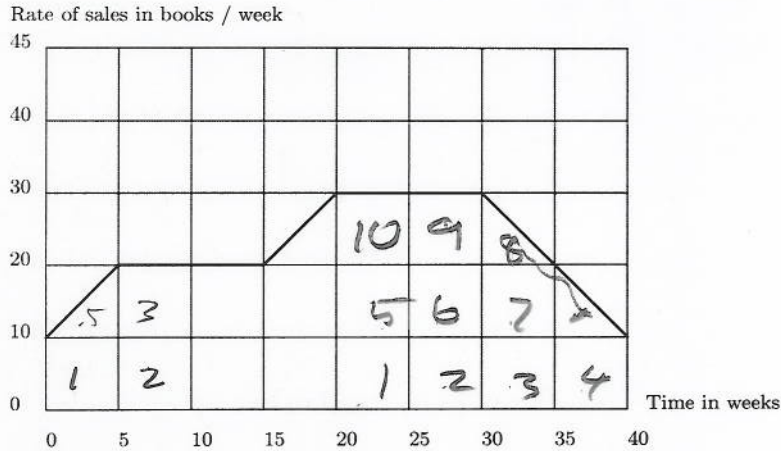

FIGURE 1

(1) The area of any of the boxes in the figure represents how many guides books?

1^{pt}

(5 weeks) × (10 books/week)   50 books.
= 50 books

(2) How many guide books were sold in the first ten weeks?

2 pts

Between $t = 0$ and $t = 10$ there are 3.5 boxes under the graph. This gives $(3.5) \times 50 = 175$ books   175 books

(3) How many guide books were sold in the between $t = 20$ weeks and $t = 40$ weeks?

2 pts

Between $t = 20$ and $t = 40$ there are 10 boxes under the graph. This gives $10 \cdot 50 = 500$ books   500 books