

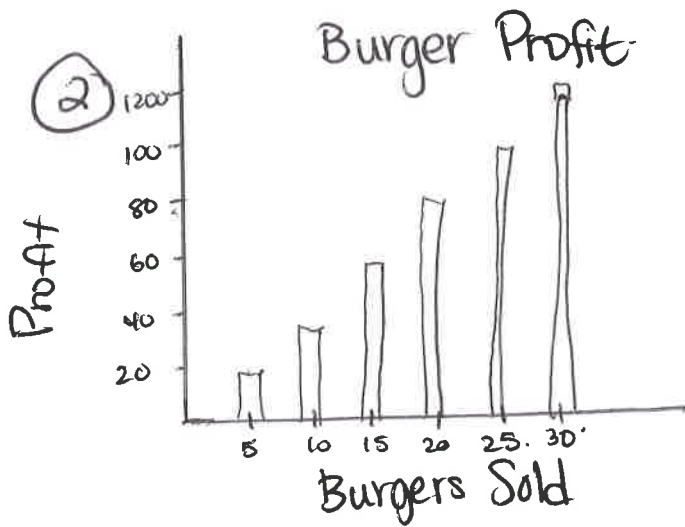
Bob's Burgers

①

| Profit | Burgers |
|--------|---------|
| 20 | 5 |
| 40 | 10 |
| 60 | 15 |
| 80 | 20 |
| 100 | 25 |
| 120 | 30 |

$P = \text{profit}$
 $b = \text{burgers}$

$$P = 4b \quad \text{or} \quad 4 \times b.$$



③ $\frac{\$1250}{4} = \frac{4b}{4}$

$$312.5 \mid b.$$

In order to make a \$1250 profit, Bob would have to sell **313** burgers (b/c he can't sell half a burger)

④ $4\frac{2}{3}$ burgers per 3 people. To find how many burgers are sold per 250 people, we can use proportional reasoning.

$$\frac{4\frac{2}{3}}{3} = \frac{388.8}{250}$$

(Note: The calculation uses a multiplier of 83.3, indicated by arrows: $4\frac{2}{3} \times 83.3 \rightarrow 388.8$ and $3 \times 83.3 \rightarrow 250$)

250 people will eat **389** burgers.