

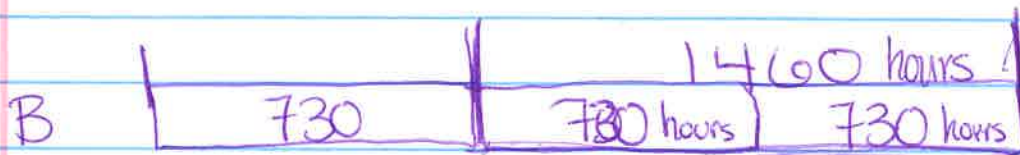
M2.L2 - Estimation w/ Multiplication

AP

Bradley practiced 87600 more minutes than Jones.

$$\begin{array}{r} \text{J} \quad \boxed{\begin{array}{l} 730 \text{ hours} \\ 365 \quad 365 \end{array}} \quad \begin{array}{r} 365 \\ \times 2 \\ \hline 730 \end{array} \end{array}$$

1 year



$$\begin{array}{r} 730 \\ \times 2 \\ \hline 1460 \end{array}$$

$$\begin{array}{l} 14600 \times 60 \\ (146 \times 10) \times (6 \times 10) \\ (146 \times 6) \times (10 \times 10) \end{array}$$

$$876 \times 100$$

87600 minutes

$$18 \times 18$$

$$20 \times 20$$

$$(2 \times 10) \times (2 \times 10)$$

$$2 \times 2 \times 10 \times 10$$

$$4 \times 100$$

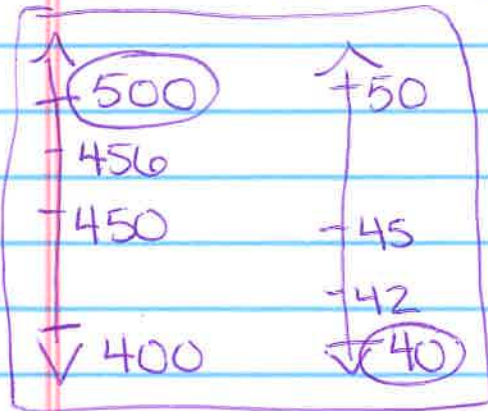
$$= 400$$

$$20 \times 18 =$$

$$360$$

$$330$$

$$456 \times 42 = \underline{500} \times \underline{40} = 20,000$$



$$\begin{aligned} &\underline{5} \text{ hundreds} \times \underline{4} \text{ tens} \\ &20 \text{ thousands} \\ &= 20,000 \end{aligned}$$

$$4560 \times 42 = \underline{5000} \times \underline{40} = 200,000$$

$$\begin{aligned} &5 \text{ thousands} \times 4 \text{ tens} \\ &20 \text{ tenthousands} \\ &200,000 \end{aligned}$$

$$4560 \times 420 = \underline{5000} \times \underline{400} = 2,000,000$$

$$\begin{aligned} &5 \text{ thousands} \times 4 \text{ hundreds} \\ &20 \text{ hundred thousands} \\ &2,000,000 \end{aligned}$$

$$1320 \times 88 = 1000 \times 90 = 90,000 \times 100$$

$$13205 \times 880 = 10,000 \times 900 = 9,000,000$$

$\times 10$

$\times 10$

$$346 \text{ hundreds} \times 52 \text{ tens}$$

$$300 \text{ hundreds} \times 50 \text{ tens}$$

$$30000 \times 500$$

$$15,000,000$$

