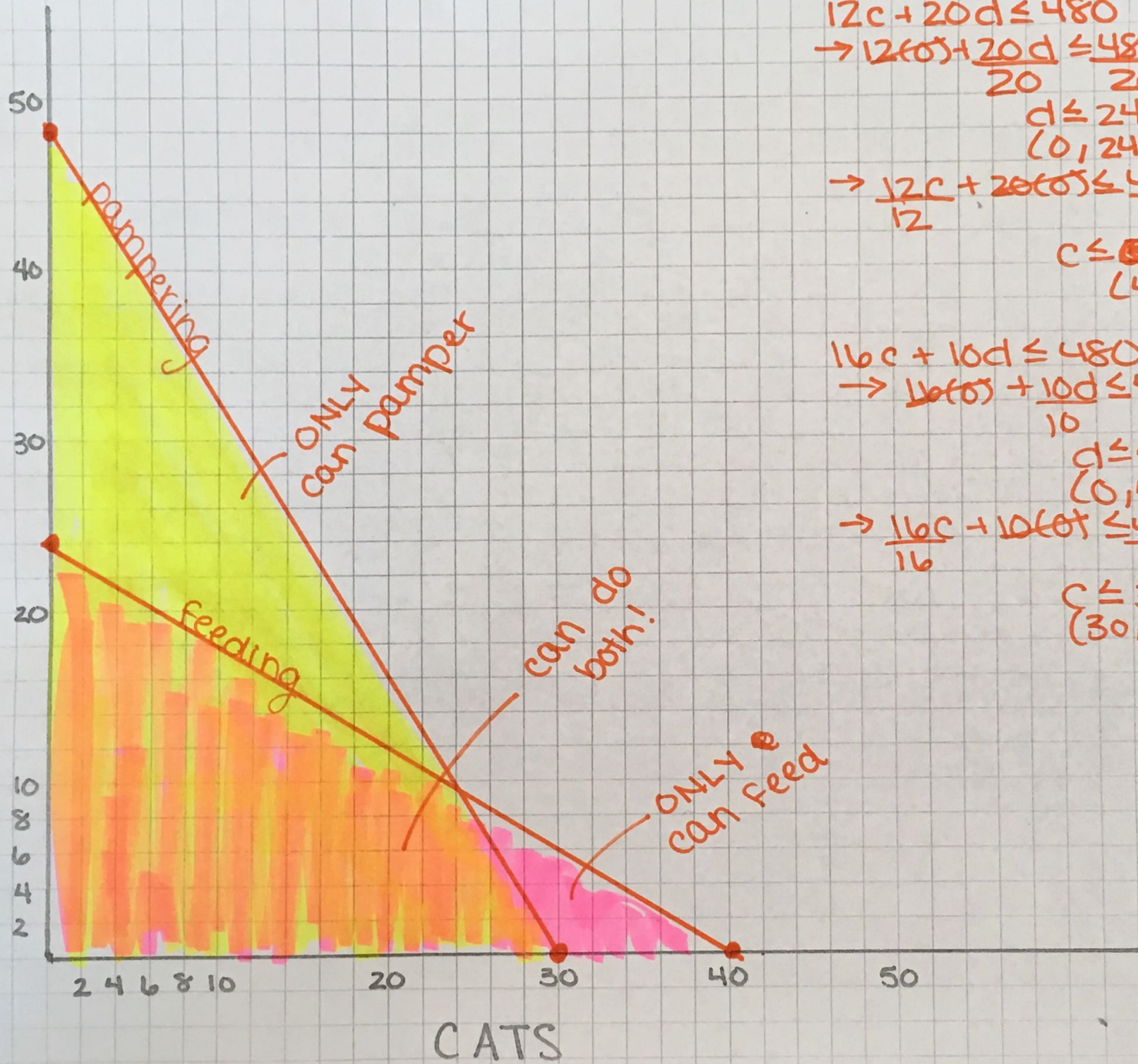


DOGS



$$12c + 20d \leq 480$$
$$\rightarrow \frac{12c}{20} + \frac{20d}{20} \leq \frac{480}{20}$$
$$d \leq 24$$
$$(0, 24)$$

$$\rightarrow \frac{12c}{12} + \frac{20(0)}{12} \leq \frac{480}{12}$$
$$c \leq 40$$
$$(40, 0)$$

$$16c + 10d \leq 480$$
$$\rightarrow \frac{16c}{10} + \frac{10d}{10} \leq \frac{480}{10}$$
$$d \leq 48$$
$$(0, 48)$$

$$\rightarrow \frac{16c}{16} + \frac{10(0)}{16} \leq \frac{480}{16}$$
$$c \leq 30$$
$$(30, 0)$$