

3) Number of spiders in house?

$$\frac{2 \text{ spiders}}{\text{window}} \times \frac{5 \text{ windows}}{\text{room}} \times 7 \frac{\text{rooms}}{\text{level}} = 70 \frac{\text{spiders}}{\text{level}}$$

2 levels = 140 spiders

But- twice as many live in attic and basement, so

$$140 + 280 = 420 \approx 400 \text{ spiders}$$

