

Answer on Question #80662, Chemistry /General Chemistry

How many chopsticks does it require to eat 17 ducks? Assume that 2 ducks feed 7 people & each person needs 3.2 chopsticks.

Solution

Find how many chopsticks are required to eat 2 ducks:

$$7 \times 3.2 = 22.4 \text{ (chopsticks)}$$

Find how many chopsticks are required to eat 17 ducks:

$$22.4 \times 8.5 = \mathbf{190.4 \text{ (chopsticks)}}$$

Answer

190.4 chopsticks are required to eat 17 ducks.