



Pollinator Math in the Garden: **Answer Key**

1. Which pollinator was observed the most in each garden area?

Meadow _____

Forest Walk _____

Rose Garden _____

Idea Garden _____

2. Now look at your results for the Meadow. How many bees did you observe in ten minutes? **A** How many bees do you think you would see in 60 minutes? Show your work.

$$A \times 6 = \underline{\hspace{2cm}} \text{ bees in 60 minutes}$$

3. How many flies did you observe in the Rose Garden? ___ If a fly visits 15 flowers in ten minutes, how many flowers will it visit in 1 hour?

$$15 \times 6 = 90 \text{ flowers in 1 hour}$$

4. If a honeybee beats its wings 60 times per minute, how many times will it flap its wings in 10 minutes? In 1 hour?

$$60 \times 10 = 600 \text{ times in 10 minutes}$$

$$60 \times 60 = 3600 \text{ times in 1 hour}$$





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5. If a butterfly lands on a flower and has enough pollen on itself to pollinate three flowers, how many flowers would get pollinated if:

- the butterfly gets pollen from 5 flowers?

$$3 \times 5 = 15 \text{ flowers would get pollinated}$$

- the butterfly gets pollen from 10 flowers?

$$3 \times 10 = 30 \text{ flowers}$$

6. A bee can travel at about 15 miles per hour visiting 75 flowers. How many miles would it travel in 12 hours? How many flowers would get pollinated in 12 hours?

$$12 \times 15 = 180 \text{ miles in 12 hours}$$

$$12 \times 75 = 900 \text{ flowers would get pollinated in 12 hours}$$

7. How many miles would a bee travel in a day? Or a week?

$$24 \times 15 = 360 \text{ miles in one day}$$

$$7 \times 360 = 2520 \text{ miles in one week}$$

