

Pollinator Math in the Gardens Answer Key

2. Now look at your results for the Meadow Garden. 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 x 6 = _____ 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 x 6 = 90 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? (Fact: Honeybees beat their wings 11,400 times per MINUTE!)

60 x 10 = 600 times in 10 minutes

60 x 60 = 3600 times in 1 hour

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 x 5 = 15 flowers would get pollinated

The butterfly gets pollen from 10 flowers?

3 x 10 = 30 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 x 15 = 180 miles in 12 hours

12 x 75 = 900 flowers would get pollinated in 12 hours

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

24 x 15 = 360 miles in one day

7 x 360 = 2520 miles in one week

