

# World Bee Day

## Maths Starter

It's World Bee Day this week and bees really are remarkable creatures. These numbers show why honey is such a precious food.

### Can you work these out?

1. A honey bee flies at approximately 24km per hour. On a summer day it is warm enough to fly for 12 hours each day. How far do they fly?
2. A honey bee's wings move at 200 beats per second. How many times do they move their wings per minute? Per hour?
3. It takes 12 bees to make 1 teaspoon of honey over a season. 1 teaspoon is 5ml. How many bees does it take to make enough honey to fill a 500ml jar?
4. A worker bee weighs one tenth of a gram/0.1g. She can carry half her body weight in nectar back to the hive. How much nectar can she carry?
5. To bring 1 kilogram of nectar to the hive, one worker bee will need to make 50,000 round trips, or 50,000 bees will need to make one trip. A bee can make 20 one kilometre trips a day.  
How many days will it take it one bee to bring 1kg of nectar to the hive?  
If 50,000 bees all made 20 trips a day, how much nectar could they collect in one day?

