



MATHS!!!

3

1. How many antennae are there in a swarm of 29,961 bees?
2. How many wings are there in a swarm of 23,984 bees?
3. How many legs are there in a swarm of 21,972 bees?
4. Bees beat their wings 200 times in one second. How many times do they beat their wings in:
 - 20 seconds?
 - 1 minute?
 - 20 minutes?
 - 1 hour?
5. The Wallace's giant bee is around 4cm long.
If there were Wallace bees in a row, touching mouth to stinger, that altogether measured 4m - how many bees would there be? How many bees would there be if they measured 7m?
6. The Dwarf bee is 2mm long. How many dwarf bees, touching mouth to stinger, would you need to have in a line to measure 30cm? 1m? 2m?
7. It takes 12 bees' lifetimes work to make a teaspoon of honey. A jar is around 20 teaspoons. How many bees did it take to make enough honey for 12 jars?
8. One jar of honey is equal to around 55,000 miles of flying (1.5 x around the world!). If you harvested 4.5 jars of honey, how many miles of flying would that be equal to? How many times around the world is that?
9. A jar of honey costs £4.80. There are 40 teaspoons of honey in the jar. How much is one teaspoon worth? If it took 12 bees' lifetimes work to make the spoonful, how much would they be paid each in a lifetime?

Answers!

1 - 59,922 antennae

2 - 95,936 wings

3 - 131,832 legs

4 - 4,000; 12,000; 240,000; 72,000

5 - 100; 175

6 - 15 dwarf bees; 50 dwarf bees; 100 dwarf bees.

7 - 2,880

8 - 247,500 or 6.75 x round the world

9 - 12p or £0.12; 1p or £0.01.