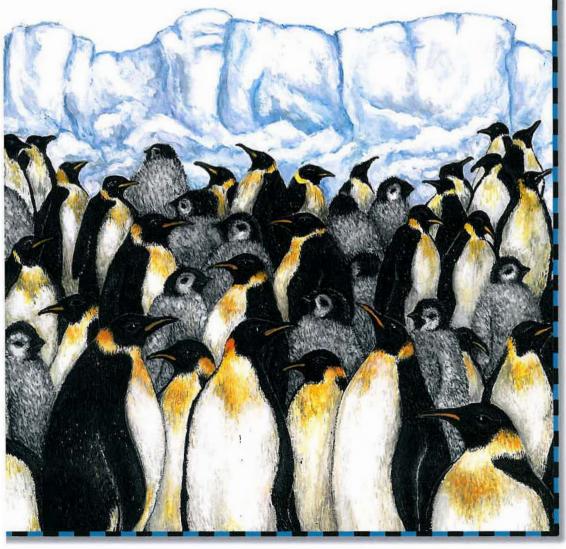
Strength Numbers



Contents

| | Safety in Numbers | 4 |
|---|----------------------|----|
| | Shelter in Numbers | 6 |
| | Power in Numbers | 8 |
| | Swarm Warning | 10 |
| | Hunting in Numbers | 12 |
| | Team Power | 14 |
| | Working as a Team | 16 |
| | Master Builders | 18 |
| | Numbers for Survival | 20 |
| | Glossary | 22 |
| | Index | 23 |
| 1 | Discussion Starters | 24 |
| - | | |

Features



If you think *ladybird* is a strange name, turn to page 6 to see what this little beetle is called in other countries.

Read about the damage caused by swarms of locusts. Then find out what locals mean when they say, "If you can't beat them, eat them!" in **Swarm Warning** on page 10.



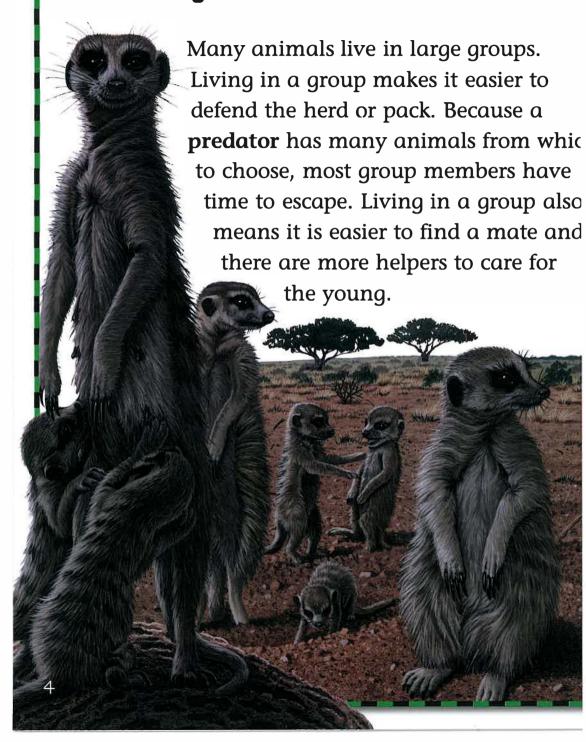


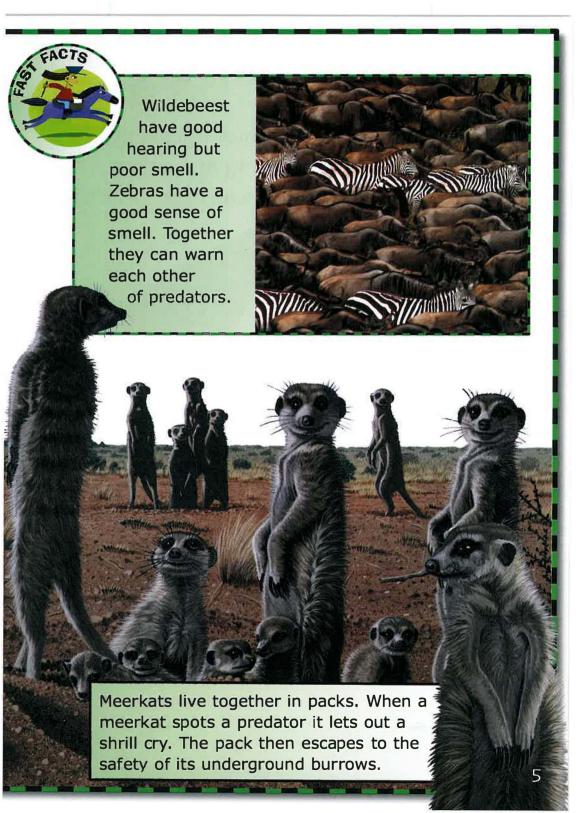
For the inside story on an insect that uses teamwork to build a nest taller than an elephant, see Master Builders on page 18.

How many eggs does a spider lay? Turn to page 21 for fascinating facts.



Safety in Numbers





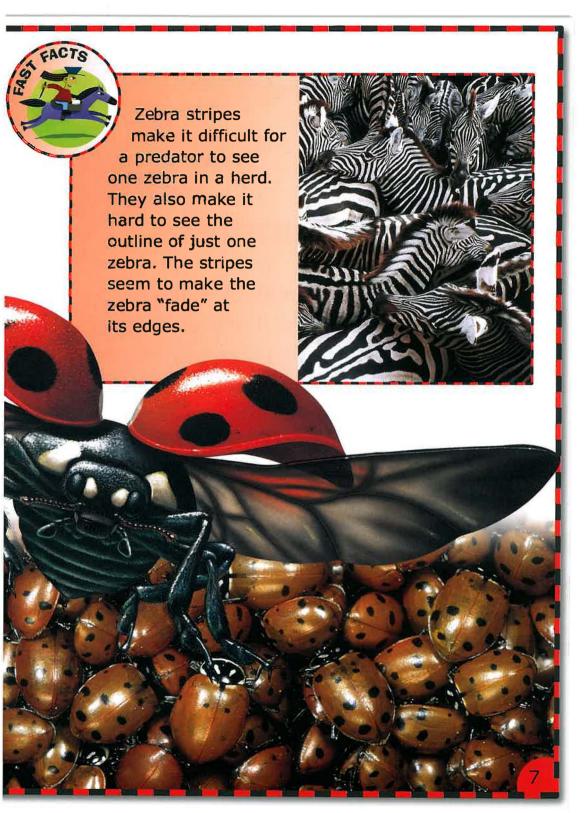
Shelter in Numbers

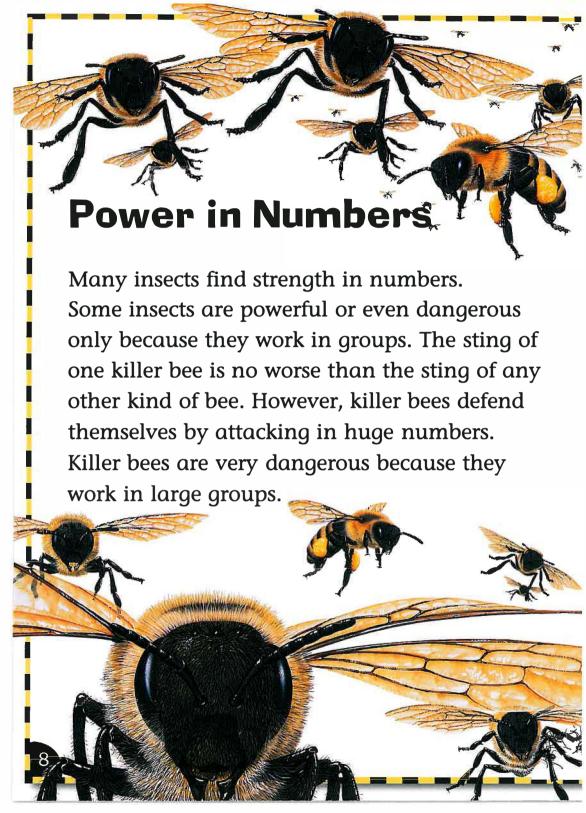
Penguins and gulls often nest in colonies of thousands of birds. Living in a colony, where many animals are watching for predators, keeps the chicks safe.

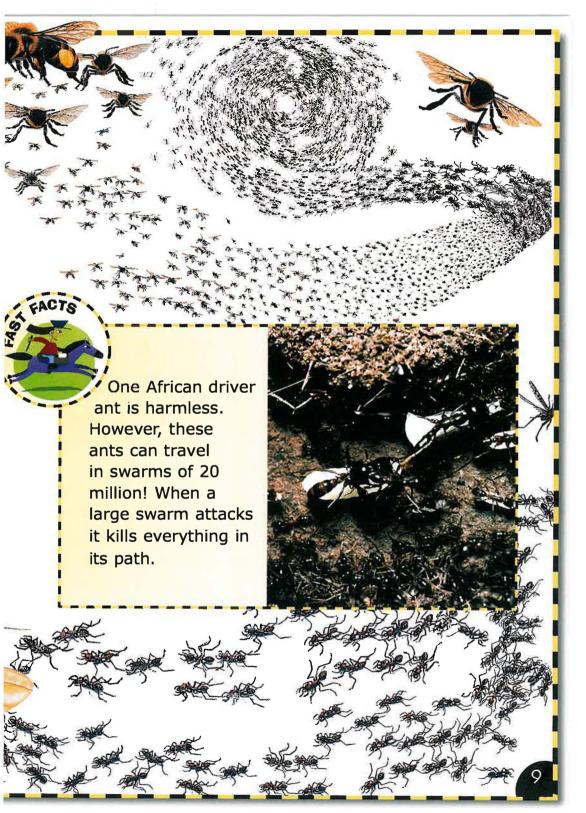
Ladybirds do not usually live in a group.
However, they gather into a swarm to make their own shelter at the end of summer. They hibernate together through the cold weather.

If you think *ladybird* is a strange name, take a look at what this little beetle is called in other countries:

- Flower Lady (China)
- Water Delivery-Man's Daughter (Iraq)
- Indra's Cowherd (India)
- Crop Picker (Africa)
- Good News (Iran)







Swarm Warning



Locusts usually live alone. However, they gather in groups and **migrate** to new feeding grounds when there is not enough food. A swarm of locusts can contain a million insects per hectare. With "strength in numbers", swarms can fly 5,000 kilometres in five days, eating everything they can find.

Sometimes swarms of locusts are so big they shut out the sunlight. They can also make travelling in aeroplanes, cars and trains dangerous.

A locust swarm means disaster for this farmer in West Africa.



If You Can't Beat Them, Eat Them!

Some people have decided that if locusts eat their crops, they will eat the locusts!

A Locust Recipe Used in Cambodia

Step 1 Take 30 to 40 dead adult locusts.

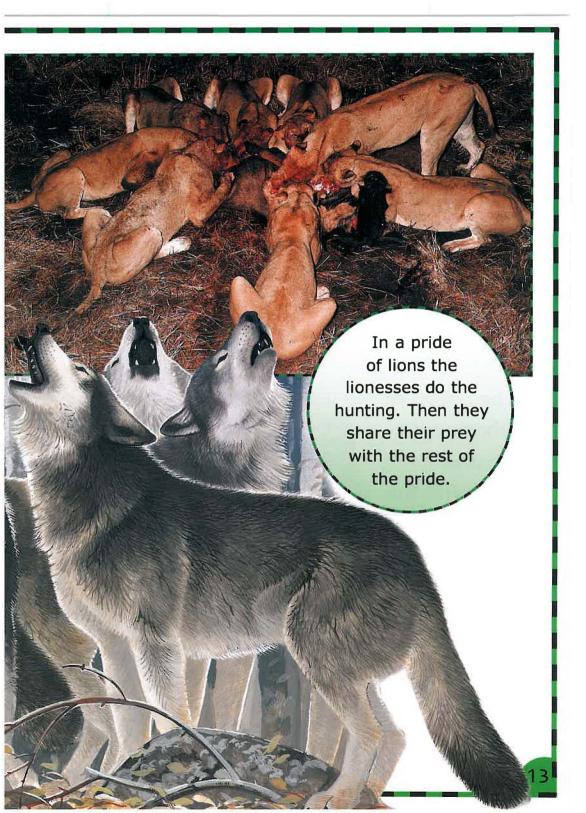
Step 2 Slit the abdomen lengthwise. Stuff a peanut inside.

Step 3 Lightly fry the locusts in a wok or frying pan. Add oil and salt to taste. Be careful not to burn the locusts.

Step 4 Enjoy!

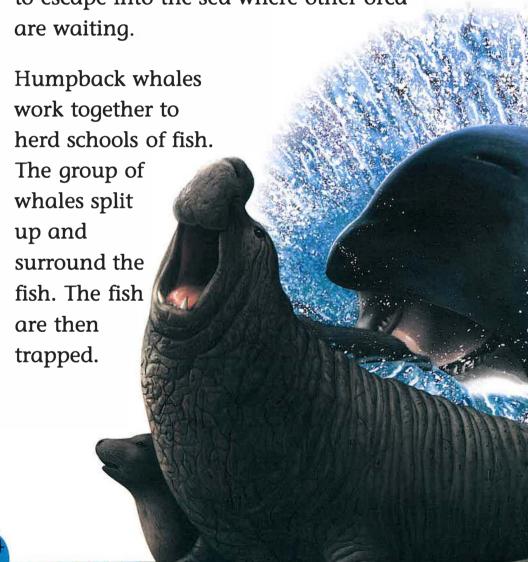
Hunting in Numbers

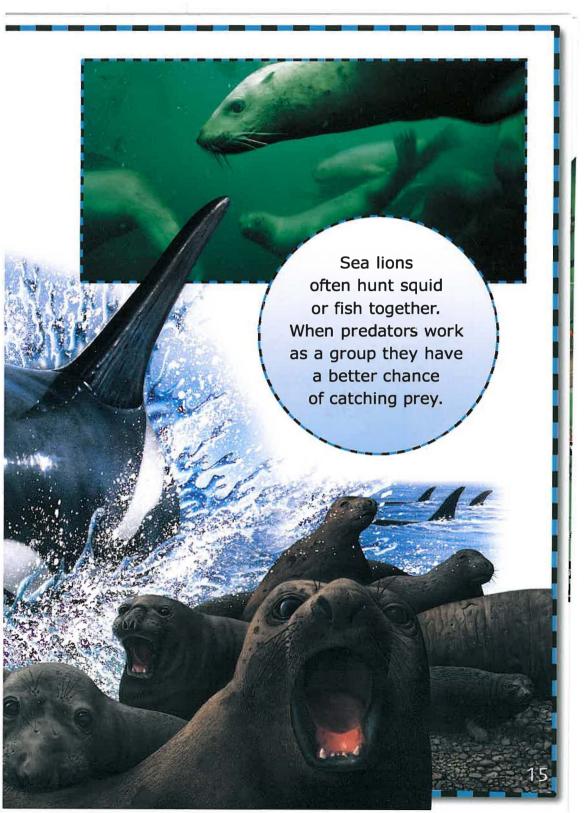
Many animals such as lions, hyenas, wolves and wild dogs work together to find food. By hunting in groups of up to twenty members they are able to catch and kill larger **prey**. Some animals such as African hunting dogs also hunt and eat in packs so every animal in the group gets enough food.



Team Power

Some ocean animals such as orca also hunt together. One orca may frighten a group of seals by coming very close to shore. The seals then try to escape into the sea where other orca



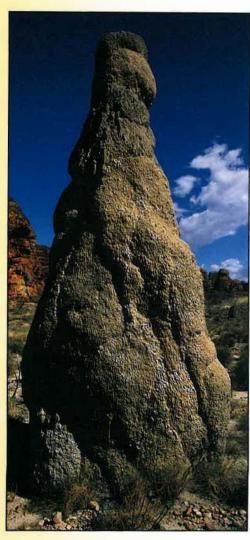




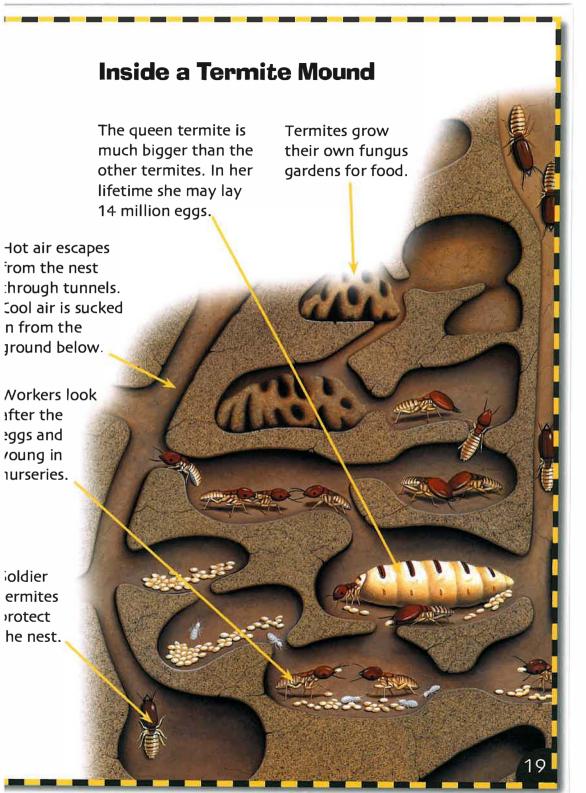
Master Builders

Of all animals, termites are the master builders. Termites work together to build huge, strong nests called mounds. Termite mounds can be 6 metres tall and go deep underground. Scientists think that some mounds may have been used for more than 4,000 years.

Termite mounds are carefully planned. They have many tunnels to keep fresh air flowing.
This is similar to built-in air conditioning.



Around the world termites build different kinds of nests.
This termite mound is in Western Australia.



Glossary

hibernate – to rest in a state similar to a very deep sleep. Many animals hibernate through the winter when food is hard to find.

migrate – to move from one country or area to another. Locusts migrate when they don't have enough food. Many birds migrate to warmer areas for the winter.

predator - an animal that lives by killing and eating other animals

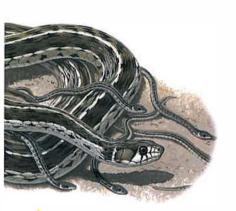
prey – an animal that is hunted and eaten by another animal

reptile – a cold-blooded animal that crawls on its belly or creeps on short legs. Many reptiles lay eggs and do not look after their young.

swarm - a large number of insects moving as
a group



Index



| ants | 9, 16–17 |
|-------------|-----------|
| bees | 8, 16-17 |
| gulls | 6 |
| ladybirds | 6 |
| lions | 12-13 |
| locusts | 10-11 |
| meerkats | 5 |
| penguins | 6 |
| sea lions | 15 |
| spiders | 21 |
| termites | 16, 18–19 |
| turtles | 20-21 |
| wasps | 16 |
| whales | 14 |
| wild dogs | 12 |
| wildebeests | 5 |
| zebras | 5. 7 |

