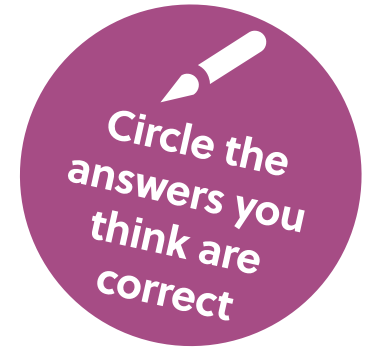


Association of
Optometrists



Animal eye facts



1 How many eyes does a jumping spider have?

- a) Two
- b) Four
- c) Eight

2 Which animal can look in two different directions at the same time?

- a) A camel
- b) A chameleon
- c) A cat

3 How many eyelids does a tiger shark have on each eye?

- a) One
- b) Two
- c) Three

4 From how far away can an eagle spot a rabbit?

- a) 300 metres
- b) 3,200 metres
- c) 5,100 metres

5 In an ostrich which is bigger – its eye or its brain?

- a) Its eye
- b) Its brain
- c) Neither, they are same size

6 How many eyes does an earthworm have?

- a) None
- b) Two
- c) Six

7 How long are a camel's eyelashes?

- a) 3 centimetres
- b) 5 centimetres
- c) 10 centimetres

8 Which animal can sleep with one eye open?

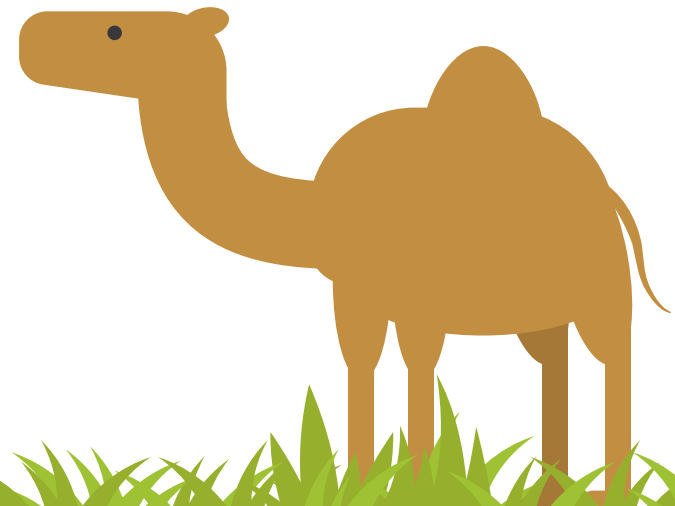
- a) Crocodile
- b) Fox
- c) Tiger

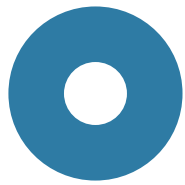
9 Which animal has the largest eyeball?

- a) Elephant
- b) Blue whale
- c) Giant squid

10 What is the shape of a horse's pupil?

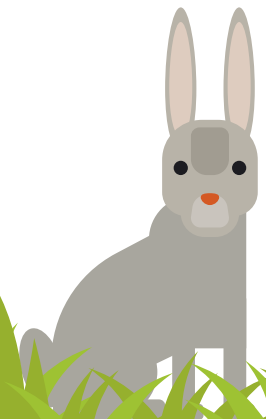
- a)  b) 
- c) 



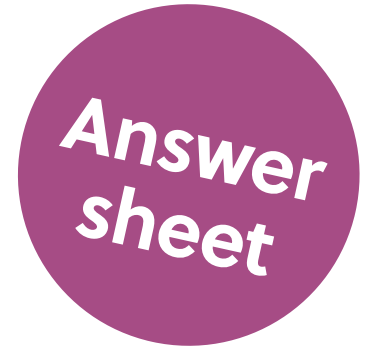


Animal eye facts

- 1** **How many eyes does a jumping spider have?**
c) Eight
Jumping spiders have eight eyes like most spiders, four on its face and four on the top of its head. Although some spiders can only see the difference between light and shadow, jumping spiders are believed to have excellent eyesight.
- 2** **Which animal can look in two different directions at the same time?**
b) A chameleon
A chameleon can look in opposite directions at the same time! Each eye can move separately from the other one, allowing the chameleon to observe two different objects at the same time without moving its head.
- 3** **How many eyelids does a tiger shark have on each eye?**
c) Three
Tiger sharks have three eyelids on each eye. The upper and lower lids, which don't fully close over the eye, and a third inner lid which slides horizontally to protect the eyes, especially while biting prey and eating. Other animals that also have a third eyelid include chickens and hares.
- 4** **From how far away can an eagle spot a rabbit?**
b) 3,200 metres
Eagles can spot a rabbit from over three kilometres away. Their eyes have special retinas that allow them to see almost eight times better than humans and help them see small rodents from high above, thus the expression 'to have an eagle eye'!



Animal eye facts




5 In an ostrich which is bigger – its eye or its brain?
a) **Its eye**
An ostrich's eye is bigger (and weighs more) than its brain!

6 How many eyes does an earthworm have?
a) **None**
An earthworm has no eyes but hundreds of tiny cells which can detect light called eye spots. These eye spots are around its head and tail, allowing the worm to sense light and dark.

7 How long are a camel's eyelashes?
c) **10 centimetres**
A camel's eyelashes can be as long as 10 centimetres to protect its eyes from wind-blown sand in the desert.

8 Which animal can sleep with one eye open?
a) **Crocodile**
Crocodiles can sleep with one eye open, in fact, one half of their brain stays 'awake'! Scientists believe this helps them stay alert to threats (and prey) at all times, so watch out! Other animals that sleep with one eye open include bottlenose dolphins and blackbirds.

9 Which animal has the largest eyeball?
c) **Giant squid**
The giant squid has the largest eyeball in the animal kingdom. On average it measures about 28 centimetres across, roughly the size of a football or a watermelon or your dinner plate!

10 What shape is a horse's pupil?
a)  **(Horizontal ellipse)**
Horses have horizontal slit pupils that allow them to see a very broad field of landscape, much like a camera's wide-angle lens. This is useful for spotting predators.

