



HOW DOES THE CHEETAH RUN SO FAST?

1 TAIL
 Cheetahs have long muscular tails. The tail acts like a rudder on a boat helping cheetahs to steer.

LUNGS
 Cheetahs have large oversized lungs and nostrils. With each breath they take in plenty of oxygen and breathe out lots of carbon dioxide. This keeps their muscles working efficiently.

SPINE
 Cheetahs have a flexible spine that can bunch and expand like a coil. This lets them reach strides of up to 8 metres while running.

2 HEAD
 Cheetahs have a streamlined body (slim with a small head), which reduces air resistance as they run.

FEET
 Cheetahs' claws work like studs on the bottom of football boots helping them to keep traction when running at fast speeds.

HEART
 Cheetahs have an oversized powerful heart and can increase their heart rate and pump huge amounts of blood containing oxygen around their body. This enables them to pump large amounts of blood very quickly.

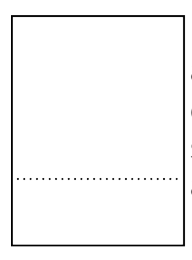
LEGS
 Cheetahs have long thin legs which help them take big strides. They have big thigh muscles and long tendons, which can store and release lots of energy as their feet hit the ground.

MUSCLES
 Cheetahs' muscles are built for running. Their muscles are made mostly of a special type of fibre which can contract very quickly. This means they can move their muscles very fast.

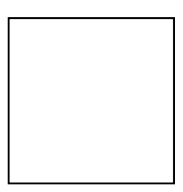
Cheetahs are built to run, they are the fastest land animal ever timed. They have been recorded as reaching speeds of 64 miles per hour (103 kilometres per hour). Truly an elite athletic performer in the animal kingdom they could easily outrun the fastest person ever timed, Usain Bolt, who has reached a top speed of 27.7 miles per hour (44.72 kilometres per hour). But what design features help cheetahs reach these top speeds?

Turn over for instructions on how to make your Cheetah Fortune Teller.

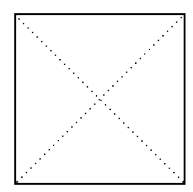
●
Centre



1. Cut the along the dashed line so you have a square.

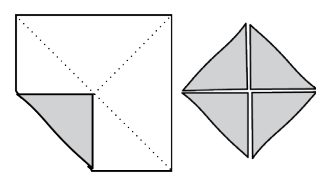


2. Hold the square in front of you; you should see the letters, A, B, C, D.

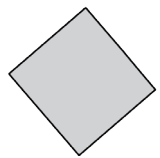


3. Fold corner A to corner D. Unfold.

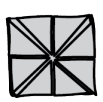
4. Fold corner B to corner C. Unfold.



5. Fold each corner into the centre point.



6. Turn the square over, so you can see the cheetah.



7. Fold each corner into the centre – just like did in step 5.



8. Turn the square over, so you can see the eyes.



9. Fold the square in half. Unfold. Repeat in the other direction.



10. Slip your thumb and index finger on each hand under each of the four flaps.