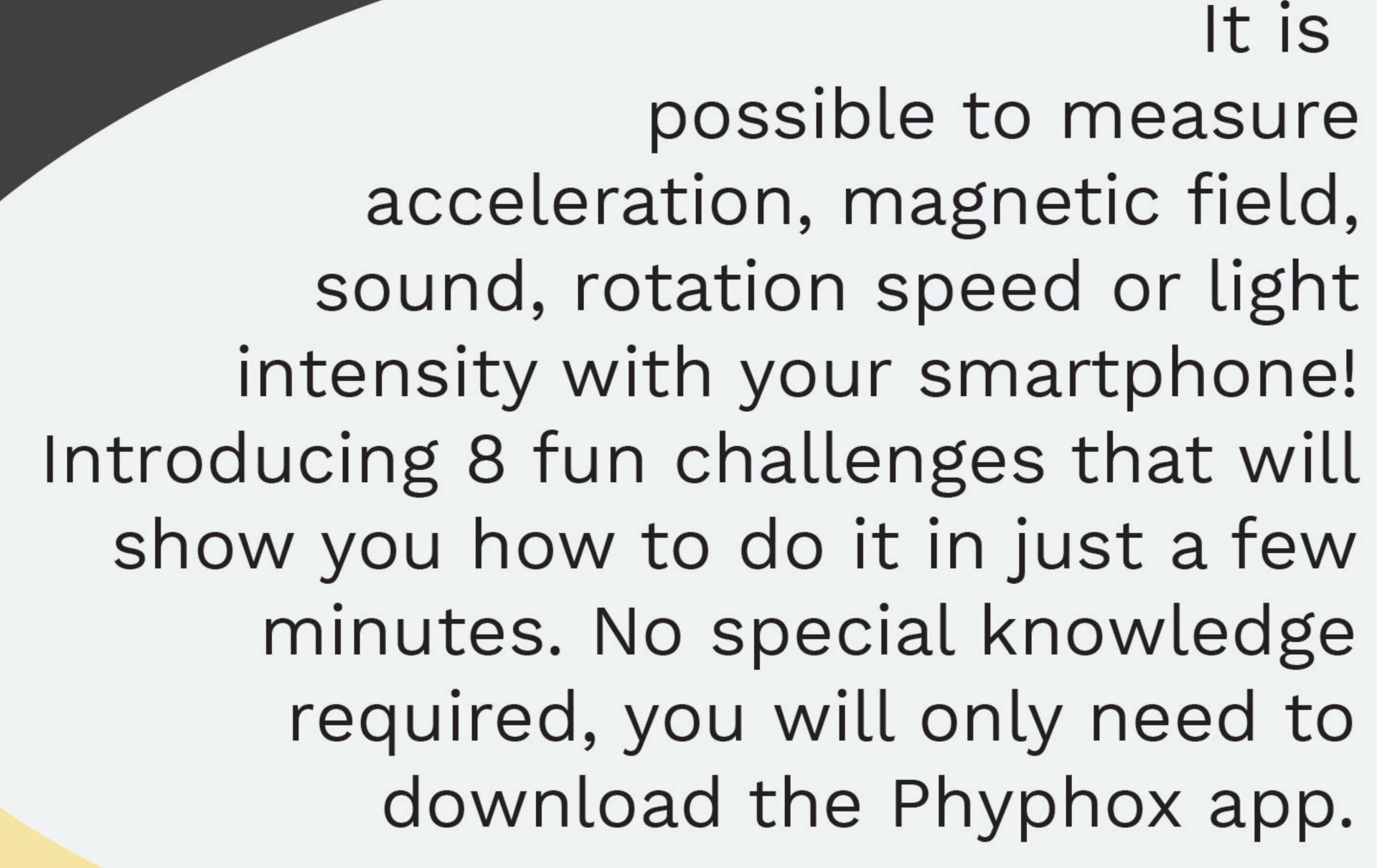


Smartphones put to the test











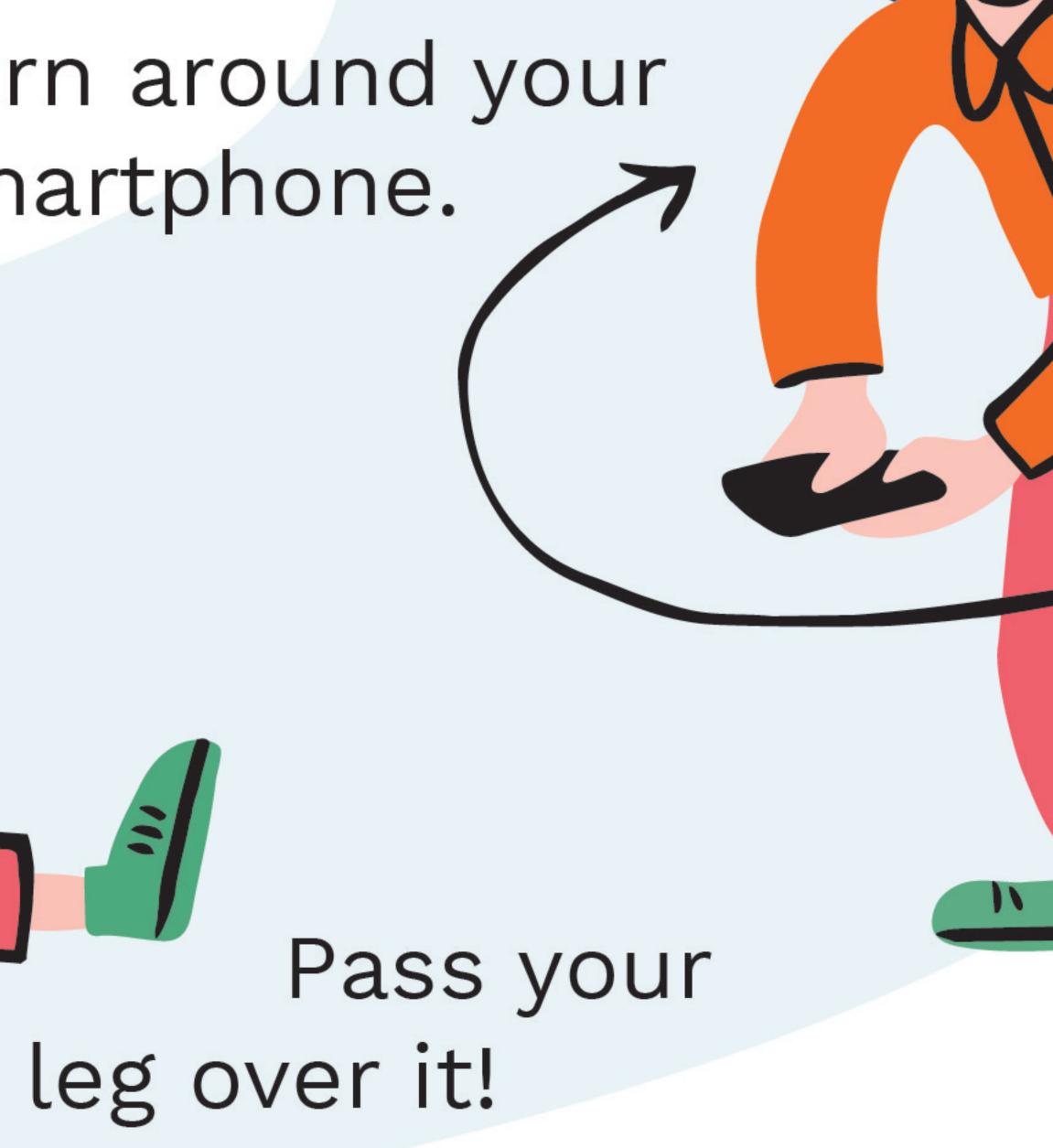
From now on, hold your smartphone as still as possible!

Squat down, stand up.

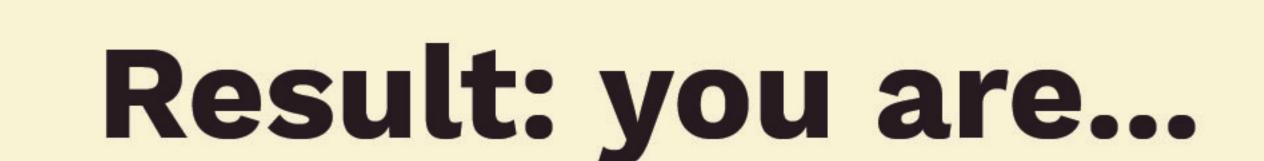


Chattenge: THE IMPOSSIBLE

Turn around your smartphone.



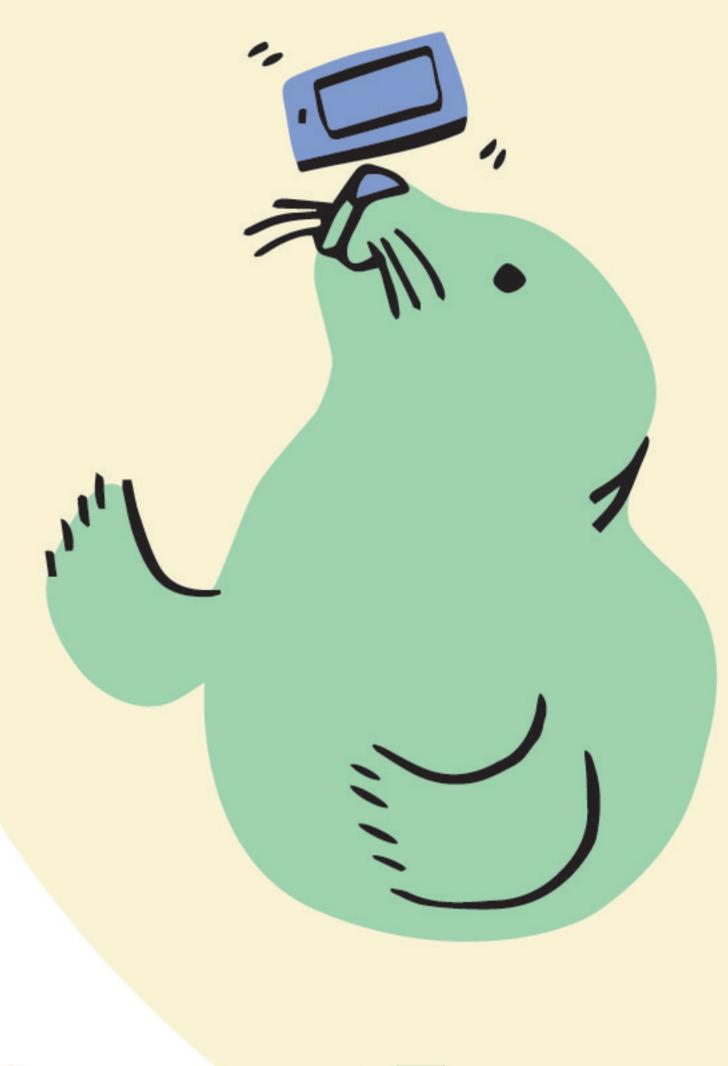




Stop the measurement. Find your score on the "accelerometer z" curve:

it's the largest distance between the bottom and the top of the curve.









distance:

...a nimble sea lion

...a placid labrador

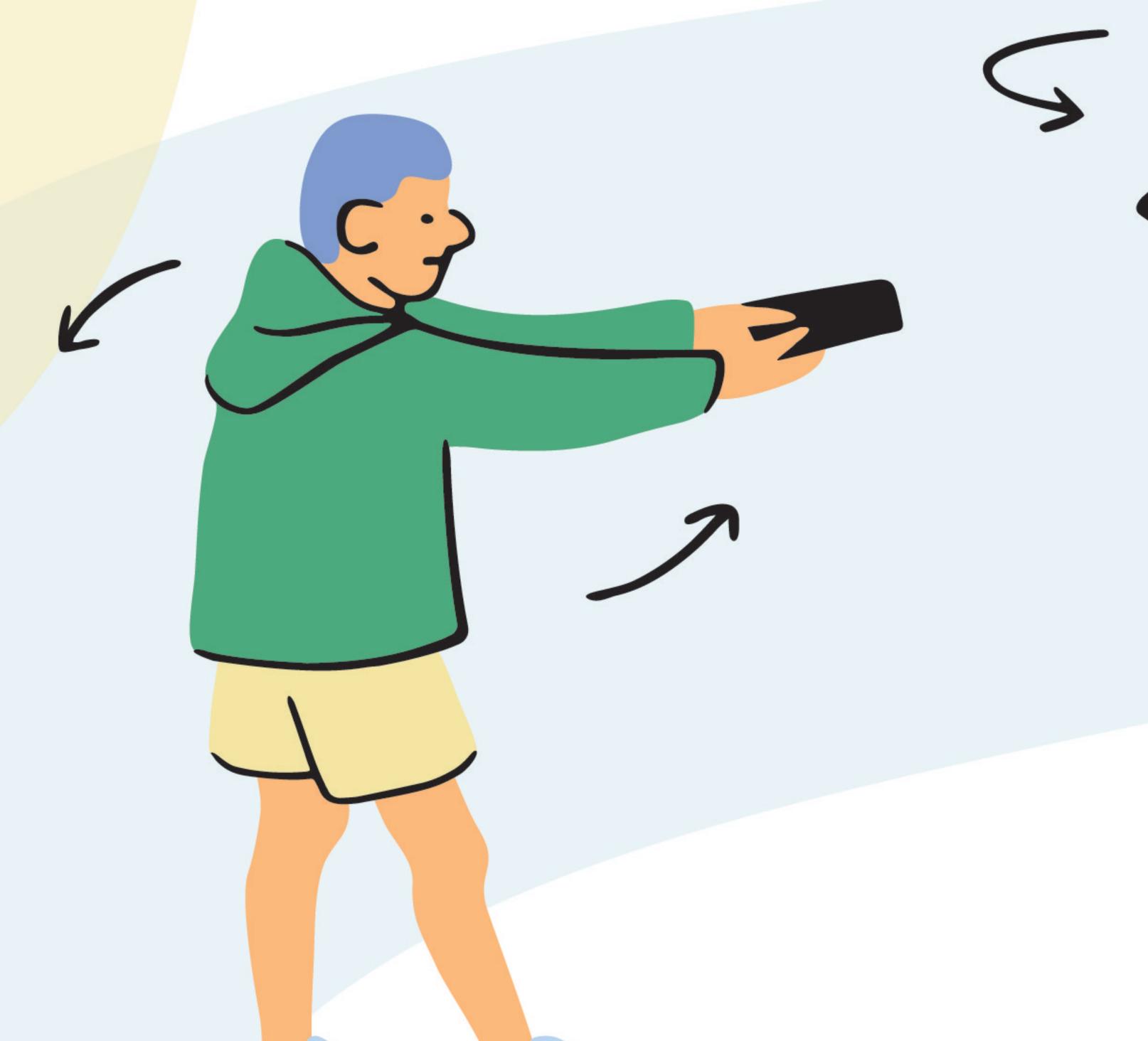
...an exuberant goat

> 15

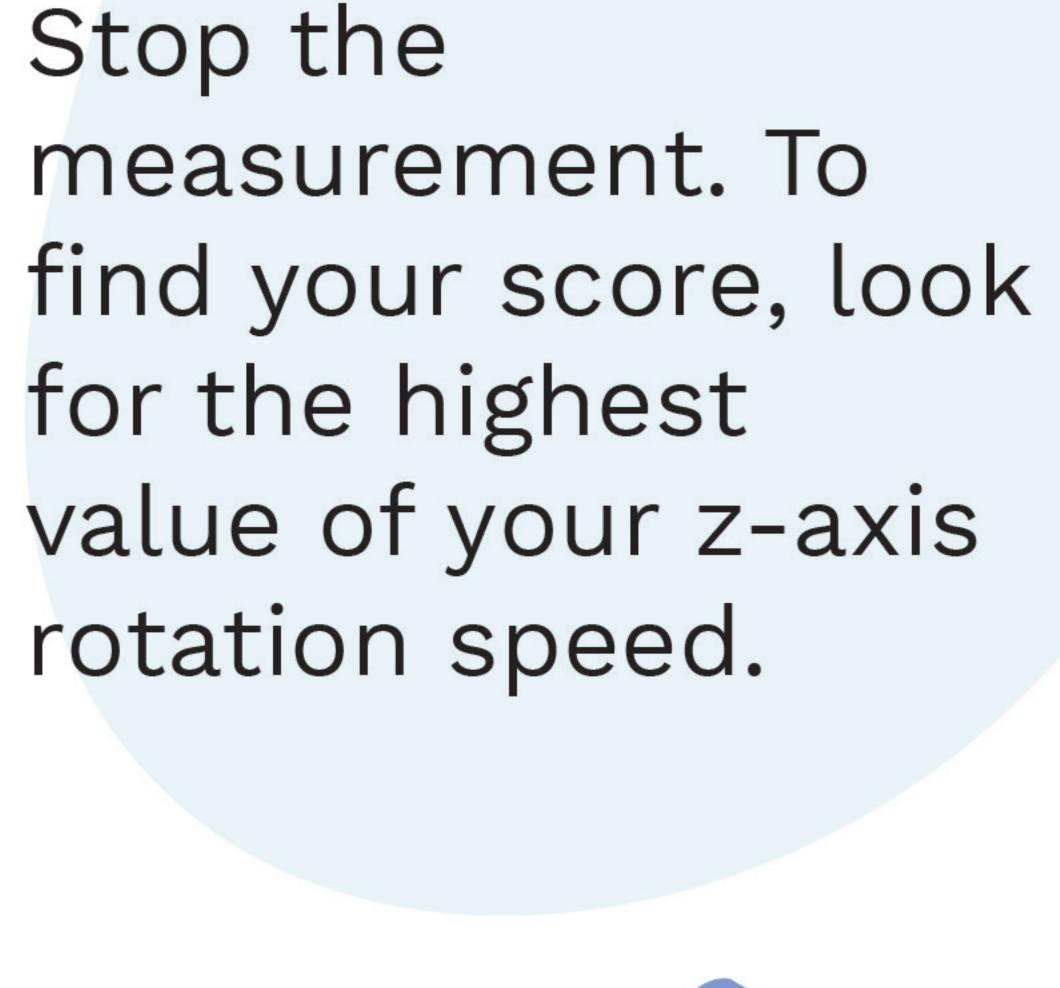


Spin around in circles as fast and as evenly as possible (watch out for others!) holding the phone flat in outstretched arms.



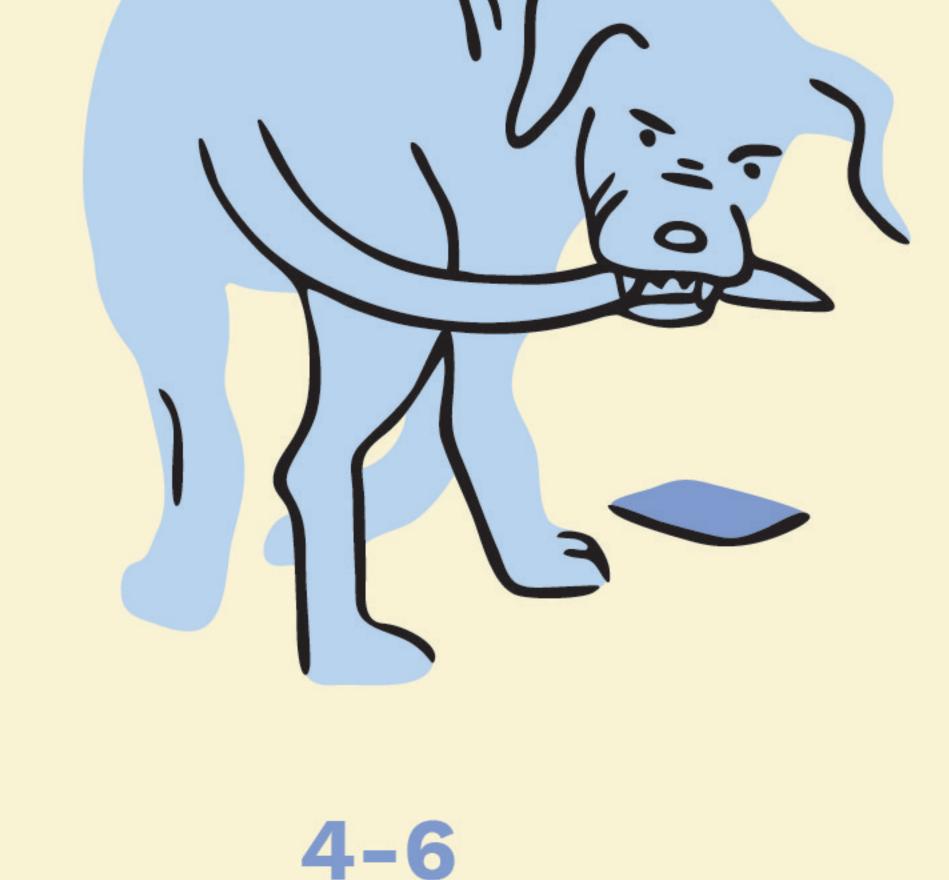


Result: you are...











the value:

...a frantic monkey

...a swift dog

...a chill panda







To build your route you can use a table, a chair, a taut piece of string...



Follow the course

maintaining your

as possible.

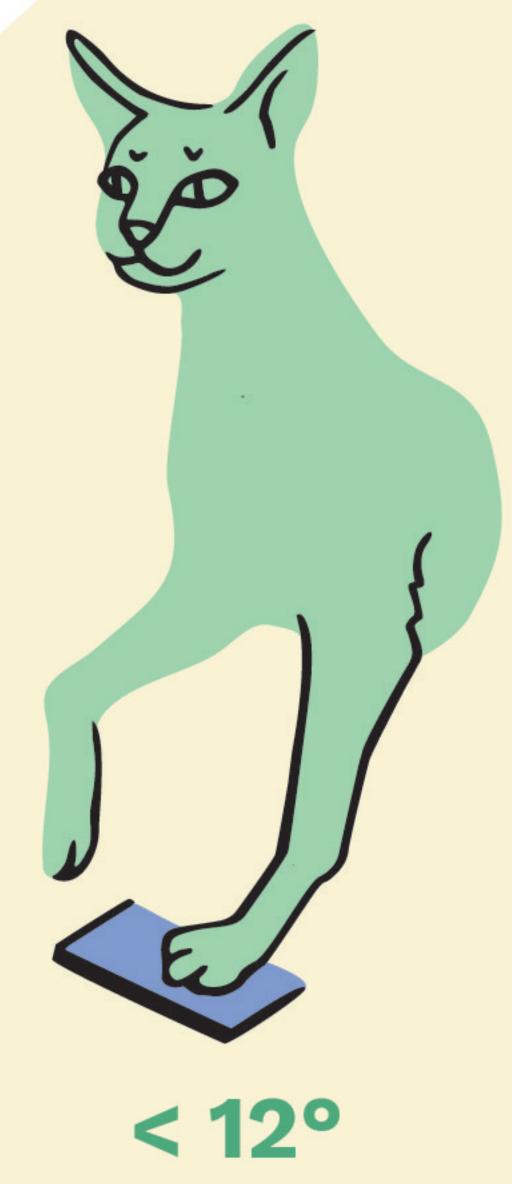
smartphone as flat



Result: you are...

Stop the measurement. To find out your score, look for the largest distance between the bottom and the top of the "Tilt up/down" curve

distance:



...a skillful cat



12° - 20°

...a flexible tox



...a restless bunny





Launch
Accelerometer
(with g) in
PHYPHOX and
start the
measurement
(press "Play").

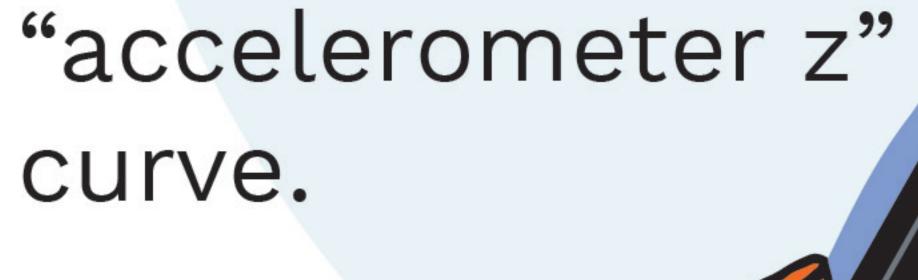
Challenge: THE ULTIMATE ACCELERATION



Put the smartphone in your pocket. Then move, jump, run as fast and as briskly as possible (watch out for your neighbours!).



Stop the measurement. To find out your score, look for the largest distance between the bottom and the top of the



distance:

> 60

...a dazzling

cheetah

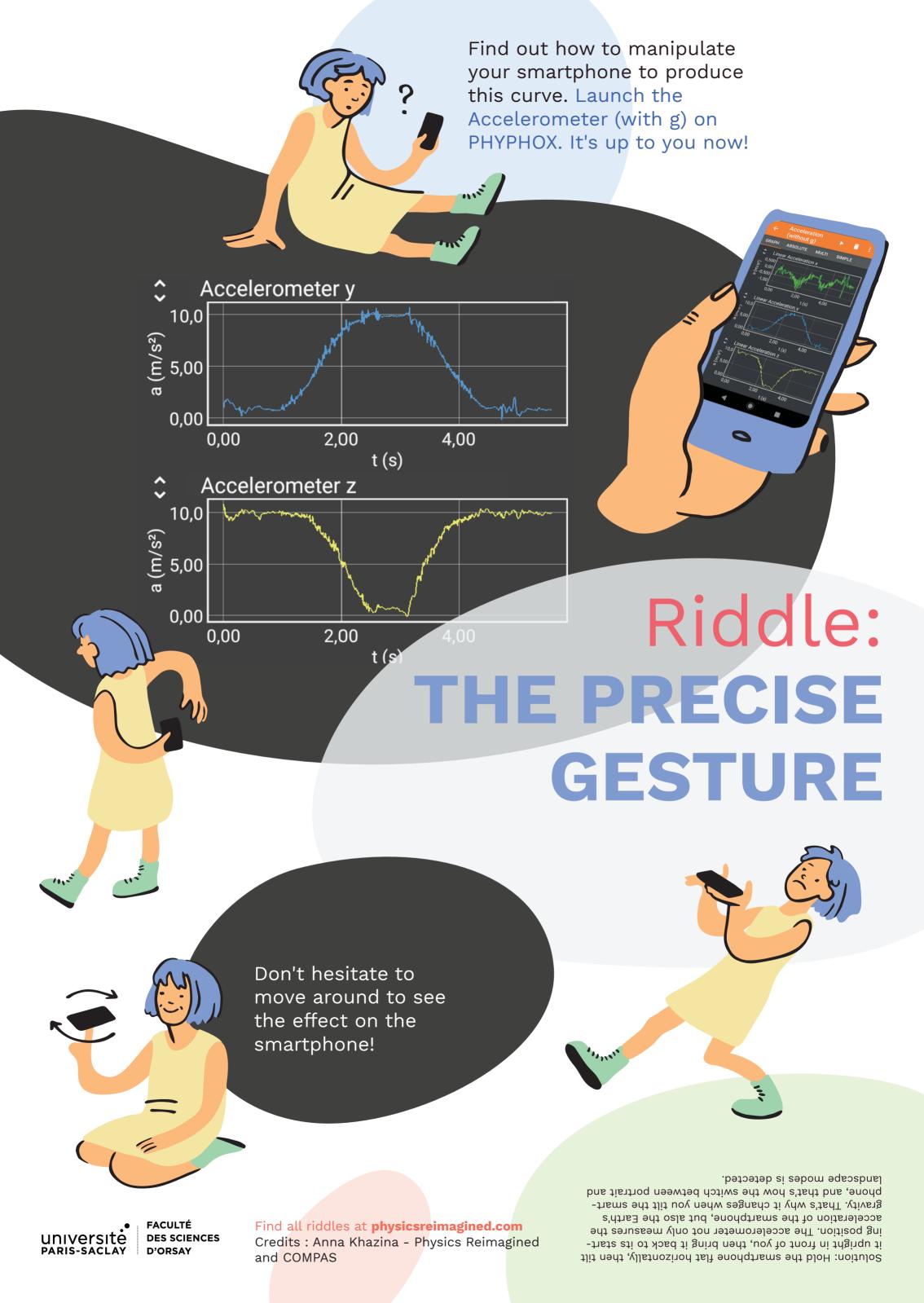
...a rampant alligator

Result: you are...



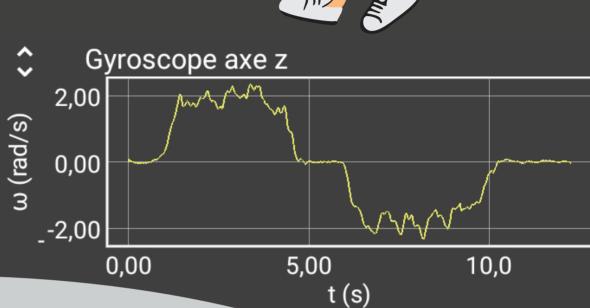
...a carefree sloth







Find out how to manipulate your smartphone to produce this curve.
Launch the Gyroscope on PHYPHOX. It's up to you now!



Riddle:

THE MYSTERIOUS MOVEMENT



Don't hesitate to move around to see the effect on the smartphone!



Solution: hold the smartphone flat in your hand at arm's length, then do do one full spin to the left, then do the opposite. Here the gyroscope measures the speed of rotation and also the direction of rotation. This also works if you rotate the smart-phone on its own.

