

# Skating Record

[twinkl.com/newsroom/story/skating-record](https://www.twinkl.com/newsroom/story/skating-record)



## Think

What is this person doing? How high up are they?



## Respond

Write an advert for a new skateboard.



## Solve

A skateboard wheel has the circumference of 160mm. How far will the skateboard move if the wheel rotates fully four times? How many wheel rotations are needed to move the skateboard 80cm?



## Discuss

Should skateboarding be an Olympic sport? What counts as a sport?



## Reimagine

Draw a design for the underside of your own awesome skateboard.



## Discover

**Fact:** Skateboarding originated in California when surfers wanted something to do when the waves were flat. It was originally called "sidewalk surfing".

**Question:** What were the first skateboards made from? Where was the first skatepark?



# Skating Record **Answers**

**How far will the skateboard move if the wheel rotates fully four times?**

The circumference of the wheel is 160mm:

$$160\text{mm} \times 4 = 640\text{mm}$$

**How many wheel rotations are needed to move the skateboard 80cm?**

First of all, make sure the units are the same:

$$80\text{cm} = 800\text{mm}$$

The circumference of the wheel is 160mm:

$$800 \div 160 = 5 \text{ rotations}$$