

# 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:

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