

 DURATION: 30 MINUTES

MATERIALS REQUIRED: PEN & PAPER

ACTIVITY NAME

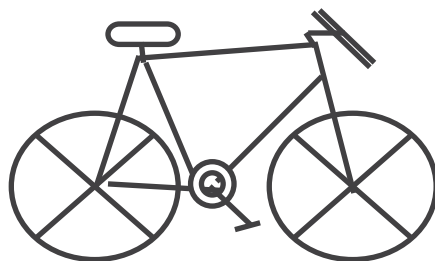
Aim: Using your knowledge of wheel circumference, calculate number of wheel rotations for each distance below.

Instructions: Assuming that the wheel size is 26 inches in diameter, with a 1.5 inch tire, the circumference of the wheel will be approximately 2 metres. Calculate the number of wheel rotations for the following distances.

- 2 kilometres.
- 4.4 kilometres.
- 11 kilometres.
- 1 mile*
- 15 miles*

Extension: Using an online mapping resource, such as Google Maps, find out the exact distance of a journey you make regularly (e.g. from home to school) and calculate how many bike wheel rotations will be required to complete this journey.

*Clue: a mile is measured as 1609.33 metres.



1 complete wheel rotation = 2 metres



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The Active School Travel Programme is an exciting initiative for schools who wish to see more of their pupils choosing an active and healthy journey to school. The programme provides schools with the skills and knowledge to get more children walking, cycling and scooting as their main mode of transport to school.

Find out more at www.sustrans.org.uk/NIschools