

Hands on a clock

This task is about working out distance and speed.



The minute hand of the town hall clock is 3 metres long and the hour hand is 2 metres long.

- a) A spider clings to the tip of the **minute** hand for exactly an hour.

How far does the spider travel? (Use $\pi = 3.14$) metres

- b) Another spider clings to the tip of the **hour** hand for exactly an hour.

How far does the spider travel? metres

- c) The clock was put forward one hour for daylight saving.
During this time the spider on the minute hand travelled 20 metres in 1 minute.

What speed is this in kilometres per hour? km/h

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