

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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