



# John the An Post Postperson

## Quiz Sheet

### John is an An Post Postperson in rural Ireland.

Each morning, John leaves his house at 7.30am to travel 50km to his nearest Delivery Service Unit (DSU) to collect the mail for his local community. Once John has collected the mail for daily delivery he sorts the mail so that the addresses match the order of his planned route around the community. His planned route takes 4 hours.

One particular day John noticed that he had 4 identical parcels that needed to be delivered. He noticed that the parcels are all 10 cms wide, 5 cms deep and 20 cms long. He also noticed that each parcel has a postage value of €6.50. John delivered the parcels and the recipients were very happy to receive their mail.

### Answer the following questions:

1. If John travels at a steady speed of 60km/h, how long does it take John to get from his house to the Delivery Service Unit (DSU)?
2. What time does John arrive at the Delivery Service Unit?
3. At the DSU John arranges the mail. This takes him one hour, after which he begins his mail delivery route. At what time does John start his mail delivery route?
4. What time is John finished delivering mail in his community?





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5. John works 5 days a week, how many kilometers (km) does he travel to and from the Delivery Service Unit in a week?
6. What is the volume of one of the identical parcels that John delivers?
7. What is the total volume of all the parcels John delivers?
8. What is the total postage cost of all parcels John delivers?
9. If the first parcel is delivered exactly half way through John's planned route what time is the first parcel delivered?
10. If the last parcel is delivered 45 minutes before he finishes for the day, what time is the last parcel delivered?

**Answers:** 1. 50 minutes, 2. 8.20am, 3. 9.20am, 4. 1.20pm, 5. 500 miles, 6. 1000 cm<sup>3</sup>, 7. 4,000 cm<sup>3</sup>, 8. €26.00, 9. 11.20am, 10. 12.35pm

