

Harry Potter has a dilemma

Harry Potter needs to track the basilisk so that he can catch him and save the day. Basilisks are lizards which can move very quickly on land and water. This speed-time graph shows the basilisk's speed during the journey.

| Time of day | Speed m/h |
|-------------|-----------|
| 23.00 | 0 |
| 23.15 | 60 |
| 23.30 | 60 |
| 23.45 | 0 |
| 00.15 | 150 |
| 00.45 | 150 |
| 1.00 | 0 |
| 1.30 | 0 |
| 1.45 | 80 |
| 2.45 | 80 |
| 3.00 | 0 |

- 1) Draw a graph, plot the points and join them dot-to-dot to make a line graph
- 2) What was the fastest speed for the basilisk?
- 3) How long did it stop for a break?
- 4) How long was it travelling at 80 km/h?
- 5) How long did it take to accelerate from 0 to 150 m/h?

