|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | Possible 95 / 75 | | | | | | | | | | | | | | |
| **Physics 20 - Lesson 1**  **Average Speed** | | | | | | | | | | | | | | |
| 1)  /4 | |  | | | | | | | |  | | | | | | |
| 2)  /4 | |  | | | | | | | |  | | | | | | |
| 3)  /4 | |  | | | | | | | |  | | | | | | |
| 4)  /9 | | 200m 300m | | | | | | | | | |  | | | | |
| 5)  /8 | |  | | | | | | | |  | | | | | | |
| 6)  /8 | |  | | 2.5m/s  500m | | | | | 6.5m/s  200m | | | | |  | | |
| 7)  /8 | | Turtle | | | Hare | | | | | | | Distance apart | | | | |
| 8)  /8 | | Jake | | Mack | | | | | | | Distance apart  =375cm | | | |
| 9)  /7 | | 345cm  10.8m | | | | | | | | | |  | | |
| 10)  /7 | | Zeke | | | | | | | | Jack | | | | |
|  | | 785 > 780  Zeke escapes | | | | | In the real world, zebras are in Africa, jaguars are in South America | | | | | | | |
| 11)  /8 | | Rock  50m | | | | | | | | | | | | |
|  | |  | | |  | | | | | | | | | |
| 12)  Bonus  /10 | | BC | | | |  | | | | | | | |
| FC | | | | Substitute  The French Concorde will arrive 5.14h ahead of the British Concorde | | | | | | | |

|  |  |  |
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| 13)  Bonus  /10 | C  E  285–x x    vC=140 km/h  vE=120 km/h |  |