

3.

(c) Table 11.1 shows the characteristics of four different track helmets used for a track cycling competition in a velodrome.

You are required to determine the most suitable helmet.

Jadual 11.1 menunjukkan ciri-ciri bagi empat topi keledar trek berlainan yang digunakan dalam pertandingan trek berbasikal di dalam velodrom.

Anda dikehendaki menentukan topi keledar trek yang paling sesuai.

Study the specifications of all the four helmets based on the following aspects:





Kaji spesifikasi keempat-empat topi keledar trek berdasarkan aspek aspek berikut:

- (i) Front end of helmet **-short and round**
Bahagian hadapan helmet **= to protect the head if there is any impact and aerofoil shape to increase lifting force when cycling**
- (ii) Material for inner shell **-material interior shell is polystyrene**
Bahan untuk bahagian dalam **=to prevent head injuries, reduce impulsive force and light in weight**
- (iii) Width of strap **-wide strip**
Kelebaran tali **= hold the helmet and head tightly**
- (iv) Presence of air hole **-air hole present**
Kehadiran lubang udara **= for air flow and cooling effect on cyclist**

Explain the suitability of each characteristic of the track helmets and determine the most suitable track helmet to be used for the indoor cycling competition.

Give reasons for your choice.

-air hole present
= for air flow and cooling effect on cyclist

Helmet Topi Keledar	Characteristics of Track Helmet Ciri-ciri Topi Keledar Trek	
K	Material for interior shell: Rubber Bahan bahagian dalam: Getah Narrow strap Tali halus	 Air hole: Absent Lubang udara: Tiada Front end: Short & round Bahagian hadapan: Pendek & bulat
L	Material for interior shell: Rubber Bahan bahagian dalam: Getah Narrow strap Tali halus	 Air hole: Present Lubang udara: Ada Front end: Long & pointed Bahagian hadapan: Panjang & tirus
M	Material for interior shell: Polystyrene Bahan untuk bahagian dalam: Polisterina Wide strap Tali lebar	 Air hole: Absent Lubang udara: Tiada Front end: Long & pointed Bahagian hadapan: Panjang & tirus
N	Material for interior shell: Polystyrene Bahan untuk bahagian dalam: Polisterin Wide strap	 Air hole: Present Lubang udara: Ada Front end: Short & round Bahagian hadapan: Bulat

-the best is N helmet with Polystyrene material interior shell, short and round front end,

air hole present and wide strap