

For
Examiner's
Use

- 4 Diagram 4 shows four towns W, X, Y and Z at different places on Earth.
Rajah 4 menunjukkan empat buah bandar W, X, Y dan Z di tempat yang berlainan di Bumi.

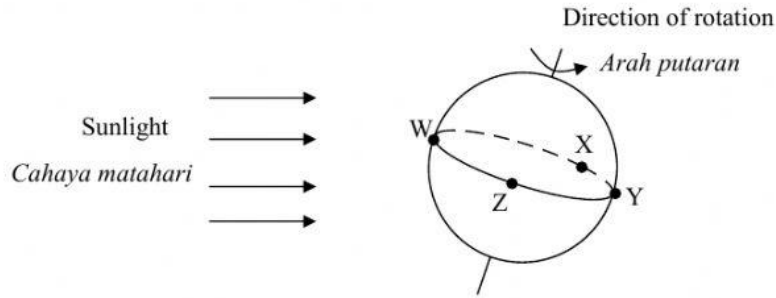


Diagram 4
Rajah 4

Table 3 shows the time of three towns.
Jadual 3 menunjukkan masa bagi tiga bandar tersebut.

Town Bandar	Time masa
W	12.00 noon 12.00 tengah hari
X	3.00 am 3.00 pagi
Z	6.00 pm 6.00 petang

Table 3
Jadual 3

- a State one reason (inference) about the different time recorded at the three towns.
Nyatakan satu sebab (inferens) tentang perbezaan masa yang dicatat oleh ketiga-tiga bandar tersebut.

4(a)

1

.....
.....

[1 mark / 1 markah]

- b State

Nyatakan

- (i) what is changed (manipulated variable).
apa yang diubah (pembolehubah dimanipulasi).

4(b)(i)

1

.....
.....

[1 mark / 1 markah]

- (ii) what is measured (responding variable).
apa yang diukur (pembolehubah bergerak balas).

4(b)(ii)

1

.....
.....

[1 mark / 1 markah]

- c Predict the time for town Y.
Ramalkan masa bagi bandar Y.

4(c)

1

.....
.....

[1 mark / 1 markah]

- 5 An investigation is carried out using two different sizes of interlocking gears. Gear P is used to turn gear Q.
 Satu penyiasatan dijalankan menggunakan dua gear berbeza saiz yang dicantumkan. Gear P digunakan untuk memutarakan gear Q.

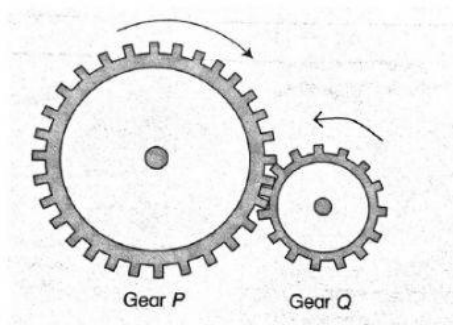


Diagram 5
Rajah 5

Table 4 shows the result of this investigation.
 Jadual 4 menunjukkan keputusan penyiasatan.

Number of turn for gear P <i>Bilangan putaran gear P</i>	Number of turn of gear Q <i>Bilangan putaran gear Q</i>
1	4
2	8

Table 4
Jadual 4

- a What is the purpose (aim) of the investigation?
 Apakah tujuan penyiasatan ini?

.....

.....

5(a)

1

[1 mark / 1 markah]

- b State
 Nyatakan

- (i) what is changed (manipulated variable).
 apa yang diubah (*pembolehubah dimanipulasi*).

.....

.....

5(b)(i)

1

[1 mark / 1 markah]

- (ii) what is measured (responding variable).
 apa yang diukur (*pembolehubah bergerak balas*).

.....

.....

5(b)(ii)

1

[1 mark / 1 markah]

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5(c)



c

What conclusion can be made from this investigation?

Apakah kesimpulan yang boleh dibuat berdasarkan penyiasatan ini?

.....

.....

[1 mark / 1 markah]

END OF SECTION B
BAHAGIAN B TAMAT