

TINGKATAN 3

BAB 2

Praktis Sumatif

Bahagian A

1 $0.074581 = 0.0746$ (3 angka bererti)

Jawapan: C

2 $599\,652 = 599\,700$ (4 angka bererti)

Jawapan: D

3 $0.000057 = 5.7 \times 10^{-5}$

Jawapan: B

4 $5.4 \times 10^8 + 9.2 \times 10^7 = 5.4 \times 10^8 + 0.92 \times 10^8$
 $= (5.4 + 0.92) \times 10^8$
 $= 6.32 \times 10^8$

Jawapan: A

5 $\frac{1.7 \times 10^3}{8.5 \times 10^{-2}} = \frac{1.7}{8.5} \times 10^{3-(-2)}$
 $= 0.2 \times 10^5$
 $= 2 \times 10^4$

Jawapan: B

6 Isi padu air = $65\% \times$ isi padu tangki
 $= \frac{65}{100} \times 500 \times 500 \times 400$
 $= 65\,000\,000$
 $= 6.5 \times 10^7$

Jawapan: D

7 0.0006189
 $= 0.0006189$

Jawapan: B

8 $\frac{\text{Luas lantai}}{\text{Luas jubin}} = \frac{2\,000 \times 2\,000 \text{ cm}^2}{25 \times 25 \text{ cm}^2}$
 $= 6\,400$
 $= 6.4 \times 10^3$

Jawapan: D

Bahagian B

	Nombor	Bilangan angka bererti
1 (a) (i)	60 801	5
(ii)	0.05900	4

(b) (i) $294\,503 = 295$ Palsu

(ii) $0.0061994 = 0.00620$ Benar

2	Nombor	2 angka bererti	3 angka bererti
	8 945	(a) 8 900	(b) 8 950
	0.007451	(c) 0.0075	(d) 0.00745

3 (a) $0.0000598 = 5.98 \times 10^{-4}$ Palsu

(b) $89\,904\,000 = 8.9904 \times 10^7$ Benar

(c) $1.36 \times 10^{-2} = 0.0136$ Benar

(d) $7.1682 \times 10^3 = 71\,682$ Palsu

Bahagian C

1 (a) $\text{Panjang} = \frac{\text{Panjang}}{\text{Lebar}}$
 $= \frac{5.134 \times 10^6}{1.7 \times 10^2}$
 $= 3.02 \times 10^{6-2}$
 $= 3.0 \times 10^4 \text{ cm}$

(b) Jarak yang dilalui
 $= \text{laju} \times \text{masa}$
 $= 3 \times 10^8 \text{ m s}^{-1} \times 30 \times 60 \text{ s}$
 $= 5\,400 \times 10^8 \text{ m}$
 $= 5.4 \times 10^3 \times 10^8 \text{ m}$
 $= 5.4 \times 10^{3+8} \text{ m}$
 $= 5.4 \times 10^{11} \text{ m}$
 $= 5.4 \times 10^{11} \times 10^{-3} \text{ km}$
 $= 5.4 \times 10^8 \text{ km}$

(c) Jumlah luas permukaan = $6 \times (6 \times 10^{-3})^2$
 $= 6 \times 6^2 \times (10^{-3})^2$
 $= 6 \times 36 \times 10^{-6}$
 $= 216 \times 10^{-6}$
 $= 2.16 \times 10^2 \times 10^{-6}$
 $= 2.16 \times 10^{-4} \text{ m}^2$