

## TINGKATAN 3

### BAB 2

#### Praktis Sumatif

#### Bahagian A

1  $68\,491 = 68\,500$

Jawapan: **D**

2  $0.0\,0\,0\,0\,2\,0\,8$

$$= 2.08 \times 10^{-5}$$

Jawapan: **B**

3  $0.00038 - 8 \times 10^{-6}$   
 $= 3.8 \times 10^{-4} - 8 \times 10^{-6}$   
 $= 3.8 \times 10^{-4} - 0.08 \times 10^{-4}$   
 $= (3.8 - 0.08) \times 10^{-4}$   
 $= 3.72 \times 10^{-4}$

Jawapan: **C**

4  $0.7964 = 0.80$

Jawapan: **C**

5  $4.6 \times 10^{14} + 8.3 \times 10^{15}$   
 $= 0.46 \times 10^{15} + 8.3 \times 10^{15}$   
 $= (0.46 + 8.3) \times 10^{15}$   
 $= 8.76 \times 10^{15}$

Jawapan: **C**

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  $0.0\,0\,0\,6.189$

$$= 0.0006189$$

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

(a)	Nombor	Bilangan angka bererti
(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) 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 =  $6 \times (6 \times 10^{-3})^2$   
 $= 6 \times 6^2 \times (10^{-3})^2$   
 $= 6 \times 36 \times 10^{-6}$   
 $= 216 \times 10^{-6}$   
 $= 2.16 \times 10^2 \times 10^{-6}$   
 $= 2.16 \times 10^{-4} \text{ m}^2$