

## TINGKATAN 2

### BAB 9

#### Praktis Sumatif

#### Bahagian A

$$1 \quad 30 = \frac{240}{t}$$

$$t = \frac{240}{30}$$

$$= 8 \text{ jam}$$

Jawapan: B

$$2 \quad \text{Laju purata} = \frac{180 + 180}{30 + 10 + 50} = \frac{360}{90} = 4 \text{ m/s}$$

Jawapan: B

$$3 \quad 30 \text{ minit} = \frac{1}{2} \text{ jam}$$

$$\text{Pecutan} = \frac{30 - 55}{\frac{1}{2}}$$

$$= -50 \text{ km/j}^2$$

Jawapan: A

$$4 \quad 1 \text{ jam } 20 \text{ minit} = 1 + \frac{20}{60} = 1 \frac{1}{3} \text{ jam}$$

$$\text{Pecutan} = \frac{96 - 60}{\frac{4}{3}}$$

$$= 27 \text{ km/j}^2$$

Jawapan: C

$$5 \quad 2 \text{ minit } 30 \text{ saat} = 120 + 30 = 150 \text{ saat}$$

$$40 = \frac{\text{Jarak}}{150}$$

$$\text{Jarak} = 40 \times 150$$

$$= 6000 \text{ m} = 6 \text{ km}$$

Jawapan: C

$$6 \quad 6 \text{ km} = 6000 \text{ m}$$

$$\frac{6000}{t} = 2.5$$

$$t = \frac{6000}{2.5}$$

$$= 2400 \text{ saat}$$

$$= 40 \text{ minit}$$

$$\text{Masa tamat} = 6.30 \text{ a.m.} + 40 \text{ minit}$$

$$= 7.10 \text{ a.m.}$$

Jawapan: D

$$7 \quad \frac{126 \text{ km}}{1 \text{ jam}} = \frac{126000 \text{ m}}{3600 \text{ saat}} = 35 \text{ m/s}$$

Jawapan: B

$$8 \quad \text{Laju seragam} = \text{Laju tetap} = \text{Jarak yang dilalui berubah dengan tetap}$$

Jawapan: C

$$9 \quad \text{Pecutan} = \frac{0 - x}{45} = -3$$

$$-x = -135$$

$$x = 135 \text{ m/s}$$

Jawapan: D

$$10 \quad \text{Jarak dilalui pada laju seragam} = 60(3)$$

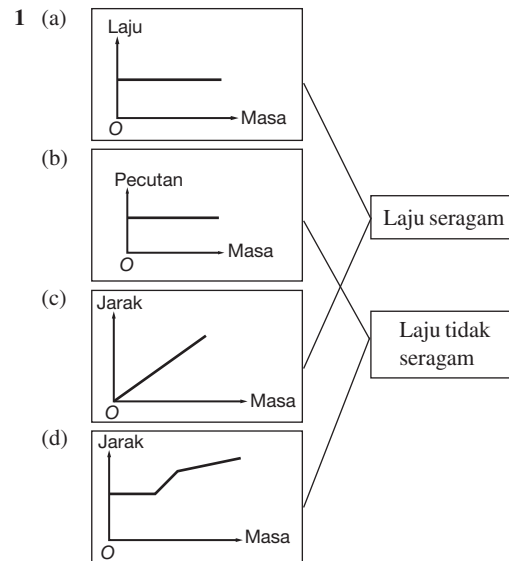
$$= 180 \text{ km}$$

$$\text{Laju purata} = \frac{380 + 180}{3 + 5}$$

$$= \frac{560}{8} = 70 \text{ km/j}$$

Jawapan: B

#### Bahagian B



- 2 (a) (i) Palsu  
(ii) Benar

(b) (i) Laju =  $\frac{100}{2} = 50 \text{ km/j}$

- (ii) Tidak. Bas itu dipandu tidak melebihi laju maksimum 90 km/j.

#### Bahagian C

1 (a) (i)  $2 \text{ jam } 15 \text{ minit} = 2 + \frac{15}{60}$

$$= \frac{9}{4} \text{ jam}$$

$$\text{Laju dari titik B ke titik C} = \frac{25}{\frac{9}{4}}$$

$$= 11 \frac{1}{9} \text{ km/j}$$

(ii) Laju purata =  $\frac{42}{1 + \frac{9}{4} + \frac{1}{2}}$

$$= 11.2 \text{ km/j}$$

(b) (i) Jumlah jarak =  $50 \times \left( \frac{1}{2} + \frac{1}{3} \right)$

$$= 50 \times \frac{5}{6}$$

$$= 41 \frac{2}{3} \text{ km}$$

(ii) Jarak A ke B =  $45 \times \frac{1}{2}$

$$= 22.5 \text{ km}$$

$$\text{Jarak B ke C} = 41 \frac{2}{3} - 22.5$$

$$= 19 \frac{1}{6} \text{ km}$$

$$\text{Laju dari B ke C} = 19 \frac{1}{6} \div \frac{1}{3}$$

$$= 57.5 \text{ km/j}$$

(iii) Pecutan =  $\frac{60 - u}{\frac{20}{60}}$  = 15

$$60 - u = 5$$

$$u = 55 \text{ km/j}$$