

Penyelesaian Lengkap

PRAKTIS 4

Bahagian A

$$1 \quad 4\frac{1}{6} : 3\frac{1}{3} = \frac{25}{6} : \frac{10}{3}$$

$$= 25 : 20$$

$$= 5 : 4$$

Jawapan/Answer: A

2 Jisim Farid/Farid's mass = 78 kg
 Jisim abang/Brother's mass = 60 kg
 Jisim kakak/Sister's mass = 42 kg
 Jisim Farid : Jisim abang : Jisim kakak
 Farid's mass : Brother's mass : Sister's mass
 = 78 : 60 : 42
 = 13 : 10 : 7

Jawapan/Answer: B

3 $12 : 21 = 4 : 7$
 $8 : 14 = 4 : 7$

Jawapan/Answer: C

4 $12 \text{ cm} : 60 \text{ mm} : 0.9 \text{ m} = 12 : 6 : 90$
 $= 2 : 1 : 15$

Jawapan/Answer: A

5 Botol A: $\frac{12}{1.5} = 8$ per liter

Bottle A: $\frac{12}{1.5} = 8$ per litre

Botol B: $\frac{8.5}{1} = 8.5$ per liter

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Botol C: $\frac{5.8}{0.6} = 9.67$ per liter

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Botol A yang paling menjimatkan.

Bottle A is more affordable.

Jawapan/Answer: A

6 $\frac{72\,000}{90} = 800 \text{ cm}^3$ per saat
 $= 800 \text{ cm}^3$ per second

Jawapan/Answer: A

7 $\frac{7\,050}{100} \times 470 = 33\,135$

Jawapan/Answer: C

8 $A : D = 5 : 6 = 20 : 24$
 $D : F = 8 : 3 = 24 : 9$
 $A : D : F = 20 : 24 : 9$

Jawapan/Answer: D

9 7 unit/units = 630 g
 1 unit = 90 g

Jisim air yang diperlukan

Mass of water needed

$$= 4 \times 90 \text{ g}$$

$$= 360 \text{ g}$$

Jawapan/Answer: D

10 $\frac{x}{320} = \frac{4}{50}$

$$x = \frac{4}{50} \times 320$$

$$= 25.6$$

Jawapan/Answer: C

11 $\frac{x}{100} \times 124 = 99.20$

$$\frac{x}{100} = \frac{99.20}{124}$$

$$x = \frac{99.20}{124} \times 100$$

$$x = 80$$

Diskaun/Discount = $100 - 80$

$$= 20$$

Jawapan/Answer: A

12 $64 : 36 = 16 : 9$

Jawapan/Answer: D

Bahagian B

1

4 : 15 : 8	6 : 12 : 14	9 : 21 : 42	24 : 15 : 32
7 : 21 : 14	16 : 22 : 8	15 : 30 : 25	63 : 42 : 28
16 : 28 : 21	39 : 13 : 52	10 : 30 : 9	12 : 24 : 32

2 (a)

$$4 : 9$$

$$4 : 10$$

(b)

$$12 : 16$$

$$15 : 20$$

(c)

$$9 : 21$$

$$12 : 27$$

(d)

$$6 : 15$$

$$12 : 28$$

3 (a) $0.04 : 0.16 : 0.24 = 1 : \boxed{4} : \boxed{6}$

(b) $1\frac{1}{2} : 1 : 2\frac{1}{4} = \boxed{6} : \boxed{4} : 9$

(c) $18 \text{ cm} : 30 \text{ mm} = \boxed{6} : 1$

(d) $\boxed{48}$ minit : 3 jam = $4 : 15$
 $\boxed{48}$ minutes : 3 hours = $4 : 15$

$$4 \text{ (a) } \frac{32}{\frac{48}{60}} = 40, \frac{80}{2} = 40$$

Berkadaran/*Proportional*

$$(b) \frac{600}{2.4} = 250, \frac{1\,500}{5.4} = 278$$

Tidak berkadaran/*Not Proportional*

$$(c) \frac{3\,100}{400} = 7.75, \frac{11\,750}{1\,500} = 7.83$$

Tidak berkadaran/*Not Proportional*

$$(d) \frac{6\,000}{9} = 666.67, \frac{10\,000}{15} = 666.67$$

Berkadaran/*Proportional*

Bahagian C

$$1 \text{ (a) (i) } 24 \div 6 : 42 \div 6 : 30 \div 6 \\ = 4 : 7 : 5$$

$$(ii) 0.2 : 0.6 : 0.08 = 20 \div 4 : 60 \div 4 : 8 \div 4 \\ = 5 : 15 : 2$$

$$(iii) \frac{9}{10} \times 10 : \frac{3}{2} \times 10 : \frac{12}{5} \times 10 \\ = 9 \div 3 : 15 \div 3 : 24 \div 3 \\ = 3 : 5 : 8$$

$$(b) (i) 6 + 2 + 5 = 13 \text{ unit/units} \\ = 78 \text{ cm}$$

$$1 \text{ unit} = 6 \text{ cm}$$

$$PR = (6 + 2) \times 6 = 48 \text{ cm}$$

$$(ii) QS = (2 + 5) \times 6 = 42 \text{ cm}$$

$$(c) (i) 30 \div 6 : 72 \div 6 : 48 \div 6 \\ = 5 : 12 : 8$$

$$(ii) 72 : 48 = 3 : 2$$

$$2 \text{ (a) (i) } 2 \text{ unit/units} = \text{RM}1\,400$$

$$1 \text{ unit} = \text{RM}700$$

Pendapatan Levin

Levin's income

$$= 5 \times 700$$

$$= \text{RM}3\,500$$

$$(ii) \text{ Jumlah pendapatan/Total income}$$

$$= 12 \times 700$$

$$= \text{RM}8\,400$$

$$(b) 2 \text{ unit/units} = 16$$

$$1 \text{ unit} = 8$$

Jumlah bilangan epal dalam guni A dan B

Total number of apples in sacks A and B

$$= (3 + 6) \times 8$$

$$= 72$$

$$(c) 35\% = 14 \Rightarrow 5\% = 2 \Rightarrow 100\% = 40$$

$$5 \text{ unit/units} = 40$$

$$1 \text{ unit} = 8$$

Jumlah bilangan murid

Total number of students

$$= 8 \times 8$$

$$= 64$$

$$3 \text{ (a) (i) } 7 \text{ unit/units} = \text{RM}2\,100$$

$$1 \text{ unit} = \text{RM}300$$

$$\frac{4\,800}{300} = 16 \text{ unit/units}$$

$$x = 16 - 5 - 7 = 4$$

$$(ii) 4 \times 300 = \text{RM}1\,200$$

$$(b) (i) \frac{63 \text{ m}}{1 \text{ s}} = \frac{63 \div 1\,000 \text{ km}}{1 \div 3\,600 \text{ j}}$$

$$= 226.8 \text{ km/j}$$

$$\frac{63 \text{ m}}{1 \text{ s}} = \frac{63 \div 1\,000 \text{ km}}{1 \div 3\,600 \text{ h}}$$

$$= 226.8 \text{ km/h}$$

$$(ii) \frac{4.6 \text{ kg}}{1 \text{ l}} = \frac{4.6 \times 1\,000 \text{ g}}{1 \times 1\,000 \text{ cm}^3}$$

$$= 4.6 \text{ g/cm}^3$$

$$(c) (i) p : q = 3 \times 3 : 8 \times 3 = 9 : 24$$

$$q : r = 6 \times 4 : 5 \times 4 = 24 : 20$$

$$p : q : r = 9 : 24 : 20$$

$$(ii) a : b = 4 \times 3 : 9 \times 3 = 12 : 27$$

$$a : c = 3 \times 4 : 4 \times 4 = 12 : 16$$

$$a : b : c = 12 : 27 : 16$$