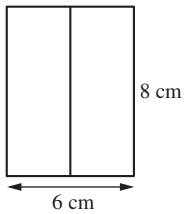


# Jawapan

## Praktis 7

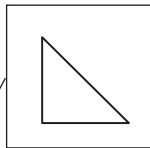
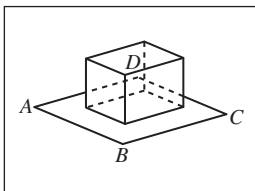
### Praktis Formatif

1

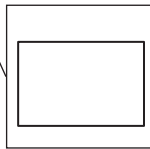
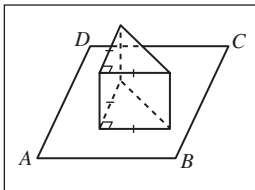


Jawapan/Answer: C

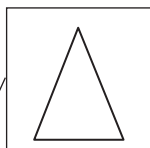
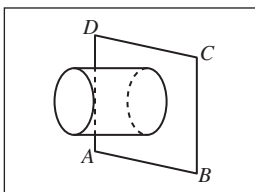
2 (a)



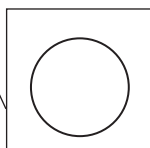
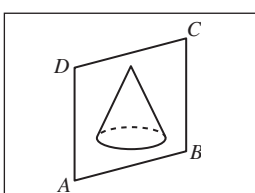
(b)



(c)



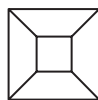
(d)



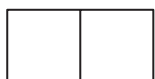
3 (a)



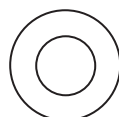
(b)



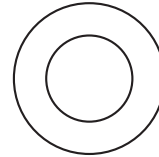
4 (a)



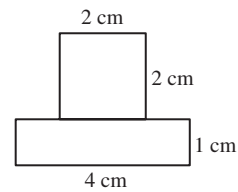
(b)



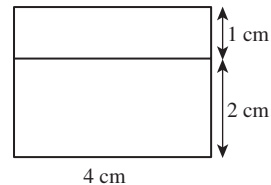
5 (a)



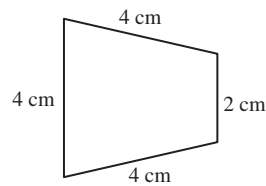
(b)



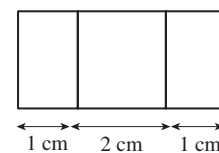
6



7 (a)



(b)



8 (a) Panjang  $AB$  pada objek dan unjuran ortogonnya adalah sama.

*The length  $AB$  on the object and its orthogonal projection are the same.*



(b) Panjang  $BF$  pada objek dan unjuran ortogonnya adalah sama.

*The length  $BF$  on the object and its orthogonal projection are the same.*



(c) Sudut  $AEB$  pada objek dan unjuran ortogonnya adalah berbeza.

*The angle  $AEB$  on the object and its orthogonal projection are different.*



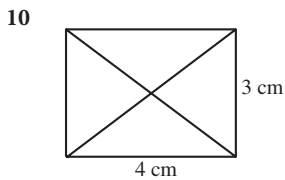
(d) Sudut  $DBF$  pada objek dan unjuran ortogonnya adalah berbeza.  
*The angle  $DBF$  on the object and its orthogonal projection are different.*

(e) Bentuk  $ABE$  pada objek dan unjuran ortogonnya adalah sama.  
*The shape  $ABE$  on the object and its orthogonal projection are the same.*

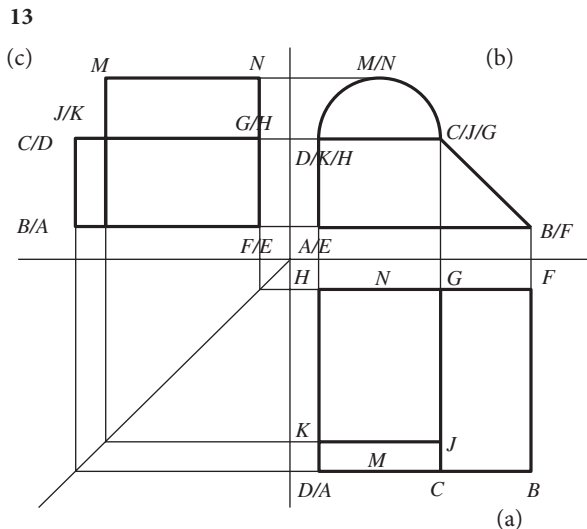
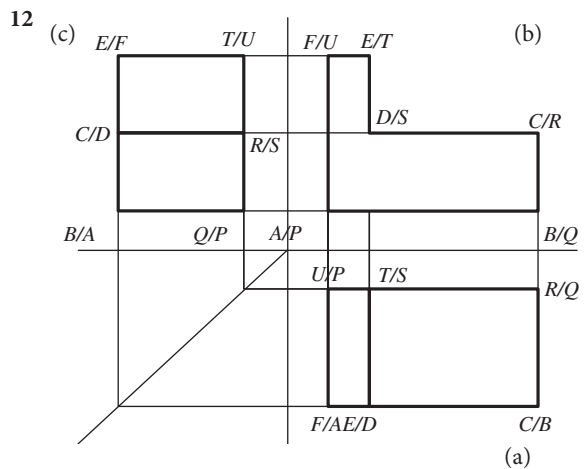
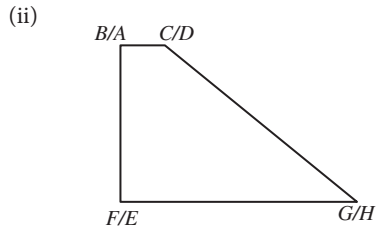
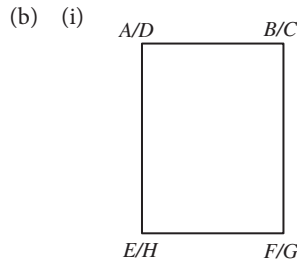
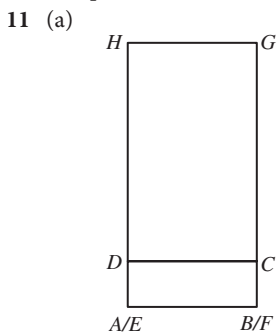
- 9 (a) Panjang sisi yang sama pada objek dan unjuran ortogonnya ialah  $PQ$ ,  $PS$ ,  $QR$  dan  $RS$ .  
*The sides that are of the same length on the object and its orthogonal projection are  $PQ$ ,  $PS$ ,  $QR$  and  $RS$ .*
- (b) Sudut sepadan pada objek dan unjuran ortogonnya  
*Angle corresponding on the object and its orthogonal projection*

(i) Sama/Same	(ii) Berbeza/Different
$\angle PQR$	$\angle PTS$
$\angle QPS$	$\angle SPT$
$\angle QRS$	$\angle PTQ$
$\angle PSR$	$\angle TPQ$
$\angle PQT$	$\angle QTR$
$\angle PST$	$\angle RTS$

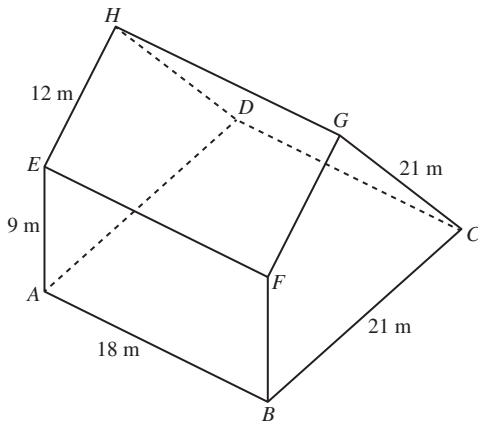
- (c) (i) Bentuk  $PQRS$  pada objek dan unjuran ortogonnya adalah sama.  
*The shape  $PQRS$  on the object and its orthogonal projection are the same.*
- (ii) Bentuk  $PST$  pada objek dan unjuran ortogonnya adalah berbeza.  
*The shape  $PST$  on the object and its orthogonal projection are different.*



Jawapan/Answer: D



14 (a)



(b) Luas permukaan/Surface area

$$= 18 \times 9 + 2 \times \left[ \frac{1}{2} \times (9 + 16.8) \times 9 + \frac{1}{2} \times 12 \times 16.8 \right]$$

$$+ 18 \times 21 + 18 \times 12$$

$$= 162 + 2 \times [116.1 + 100.8] + 378 + 216$$

$$= 433.8 + 756$$

$$= 1\,189.8 \text{ m}^2$$

Kos yang diperlukan/Cost required

$$= 1\,189.8 \times \text{RM}14$$

$$= \text{RM}16\,657.2$$

$$\approx \text{RM}16\,700 \text{ (tiga angka bererti/three significant figures)}$$

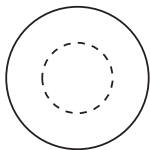
**Praktis Sumatif**

1 Saiz sudut  $PTU$  pada pepejal adalah sama dengan unjuran ortogonnya.

*The size of angle  $PTU$  on the solid is the same as its orthogonal projection.*

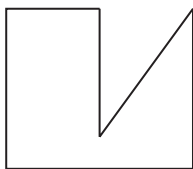
Jawapan/Answer: C

2



Jawapan/Answer: B

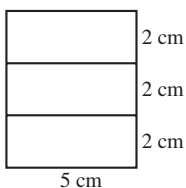
3



Jawapan/Answer: D

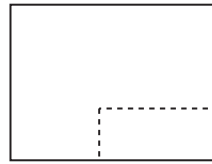
4 Unjuran ortogon pada satah mencancang sebagaimana dilihat dari R

*Orthogonal projection on a vertical plane as viewed from R*



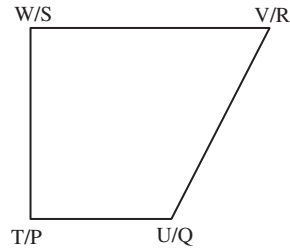
Jawapan/Answer: C

5

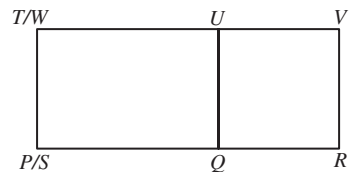


Jawapan/Answer: A

6 (a) (i)



(ii)



(b) (i) Panjang  $VW$  pada pepejal dan unjuran ortogonnya pada satah mengufuk adalah sama.  
*The length  $VW$  on the solid and its orthogonal projection on the horizontal plane is the same.*

(ii) Sudut  $UVW$  pada pepejal dan unjuran ortogonnya pada satah mengufuk adalah sama.  
*The angle  $UVW$  on the solid and its orthogonal projection on the horizontal plane is the same.*

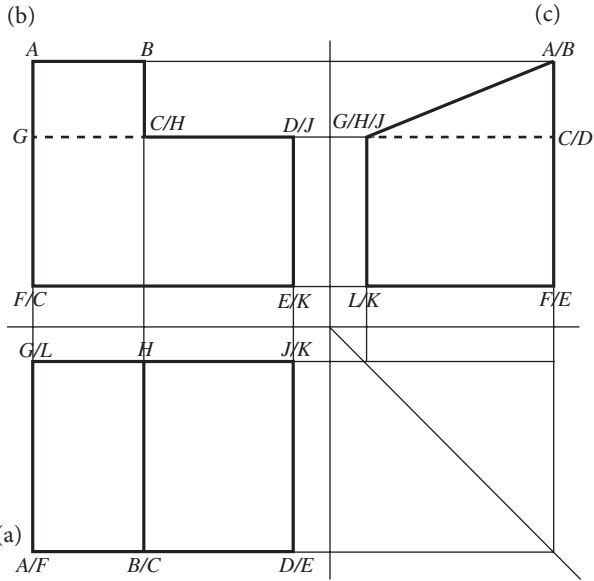
(iii) Bentuk  $TUVW$  pada pepejal dan unjuran ortogonnya pada satah mengufuk adalah sama.  
*The shape  $TUVW$  on the solid and its orthogonal projection on the horizontal plane is the same.*

(c) (i) Panjang  $UV$  pada pepejal dan unjuran ortogonnya pada satah mengufuk adalah berbeza.  
*The length  $UV$  on the solid and its orthogonal projection on the horizontal plane is different.*

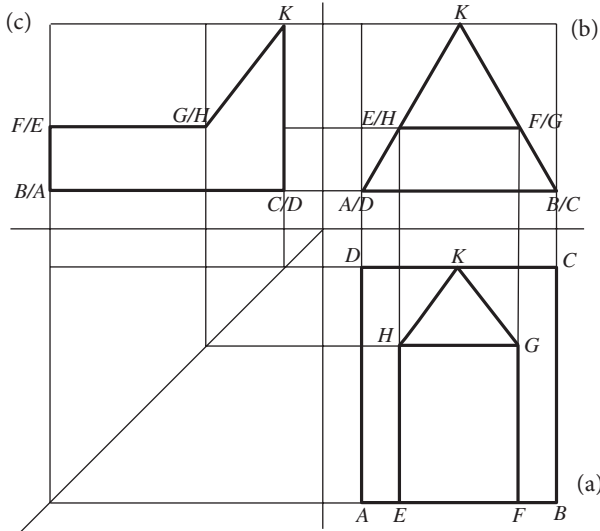
(ii) Sudut  $PTU$  pada pepejal dan unjuran ortogonnya pada satah mengufuk adalah sama.  
*The angle  $PTU$  on the solid and its orthogonal projection on the horizontal plane is the same.*

(iii) Bentuk  $QRVU$  pada pepejal dan unjuran ortogonnya pada satah mengufuk adalah berbeza.  
*The shape  $QRVU$  on the solid and its orthogonal projection on the horizontal plane is different.*

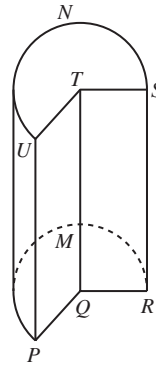
7



8



9 (a)



(b) Sudut PQR = 106°

Angle PQR = 106°

(c) Sudut refleks PQR

Reflex angle PQR

$$= 360^\circ - 106^\circ$$

$$= 254^\circ$$

Isi padu pepejal

Volume of solid

$$= \frac{254^\circ}{360^\circ} \times \frac{22}{7} \times 10^2 \times 28$$

$$= 6\,210 \text{ cm}^3$$

10

