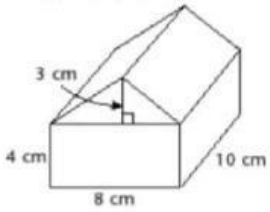
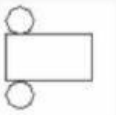
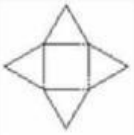
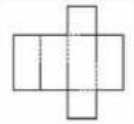
1. The diagram shows a composite solid.
Rajah di bawah menunjukkan sebuah gabungan pepejal.



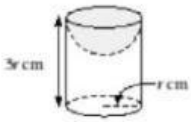
Find the volume, in cm^3, of the composite solid.
Cari isi padu, dalam cm^3, gabungan pepejal itu.

- A 560
- B 440
- C 360
- D 320

2. Which of the following is the net of a cylinder?
Antara berikut, yang manakah bentangan bagi sebuah silinder?

- A 
- B
- C 
- D 

3. The diagram shows a solid cylinder with a part of it cut out in the shape of a hemisphere.
Rajah di bawah menunjukkan sebuah pepejal silinder dengan sebahagian daripadanya yang berbentuk hemisfera dibuang keluar.

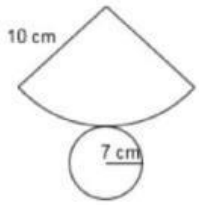


Calculate the volume, in cm^3, of the remaining solid.
Hitung isi padu, dalam cm^3, baki pepejal itu.

- A $\frac{1}{3}\pi r^3$
- B πr^3
- C $\frac{5}{3}\pi r^3$
- D $\frac{7}{3}\pi r^3$

LIVEWORKSHEETS

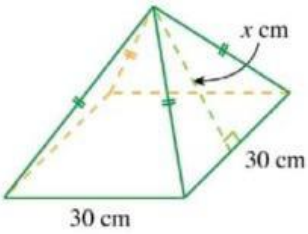
4. The diagram shows the net of a cone.
Rajah di bawah menunjukkan bentangan bagi sebuah kon.



Find the total surface area, in cm^2, of the cone.
Cari jumlah luas permukaan, dalam cm^2, *kon itu.*
[Use/ Guna $\pi = \frac{22}{7}$]

- A $169\frac{5}{7}$
- B 187
- C $208\frac{4}{7}$
- D 374

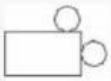
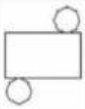
5. Given the surface area of the pyramid is 1 920 cm^2. Find the value of x.
Diberi luas permukaan piramid ialah 1 920 cm^2. *Cari nilai x.*
$\left[\text{Use/Guna } \pi = \frac{22}{7}\right]$



- A 16
- B 17
- C 18
- D 19

6. The diagram shows a closed cylindrical container.
Rajah di bawah menunjukkan sebuah bekas berbentuk silinder yang tertutup.

Which of the following is a net of the container?
Antara berikut, yang manakah bentangan bagi bekas itu?

- A 
- B
- C
- D 

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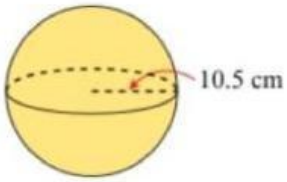
7. The base of a right pyramid is a square with edges of 9 cm each. If its volume is 135 find its height, in cm.
Tapak sebuah piramid tegak ialah segi empat sama bersisi 9 cm. *Jika isi padu piramid ah* 135 cm^3, *cari tingginya, dalam* cm.

- A 4
- B 5
- C 6
- D 7

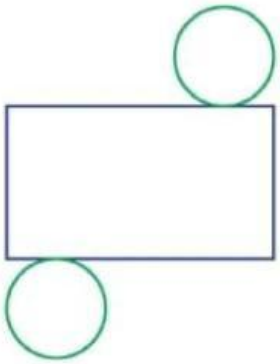
8. Calculate the surface area, in cm^2, of the solid.
Hitung luas permukaan, dalam cm^2, *pepejal itu.*

$\left[\text{Use/Guna } \pi = \frac{22}{7}\right]$



- A 1 386
- B 1 465
- C 1 500
- D 1 680

9. Name the three-dimensional shapes which can be formed from the following net.
Namakan bentuk tiga dimensi yang dapat dibentuk daripada bentangan yang berikut.

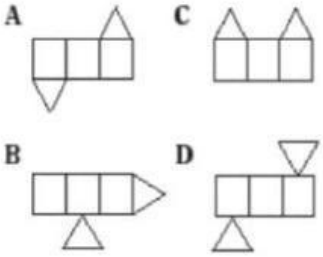


- A Cone
  Kon
- B Prism
  Prisma
- C Cube
  Kubus
- D Cylinder
  Silinder

LIVEWORKSHEETS

10. The diagram shows a prism.
Rajah di bawah menunjukkan sebuah prisma.

Which of the following is a net of the prism?
Antara berikut, yang manakah bentangan bagi prisma itu?

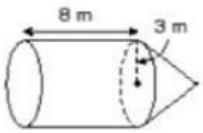


- ◯ A
- ◯ B
- ◯ C
- ◯ D

11. The number of faces of a three-dimensional shape depends on the number of sides of the base. Which of the following is the possible three-dimensional shape?
Bilangan muka suatu bentuk geometri tiga dimensi bergantung kepada bilangan sisi tapaknya. Antara berikut, yang manakah bentuk geometri tiga dimensi yang mungkin?

- ◯ **A** Cuboid
  Kuboid
- ◯ **B** Sphere
  Sfera
- ◯ **C** Cylinder
  Silinder
- ◯ **D** Pyramid
  Piramid

12.

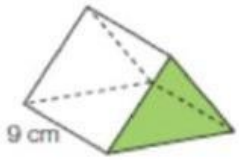


The solid shown in the diagram consists of a cylinder and a cone. Given the height of the cylinder is twice the height of the cone.
Find the surface area, in cm^2, of the solid.
Pepejal yang ditunjukkan dalam rajah di atas terdiri daripada sebuah silinder dan sebuah kon. Diberi tinggi silinder itu adalah dua kali tinggi kon itu.
Cari luas permukaan, dalam cm^2, pepejal itu.

- ◯ **A** 72π
- ◯ **B** 81π
- ◯ **C** 90π
- ◯ **D** 99π

LIVEWORKSHEETS

13. The diagram shows a right prism with the volume of 477 cm^3.
Rajah di bawah menunjukkan sebuah prisma tegak dengan isi padu 477 cm^3.



Calculate the area, in cm^2, of the coloured surface.
Hitung luas, dalam cm^2, permukaan yang berwarna.

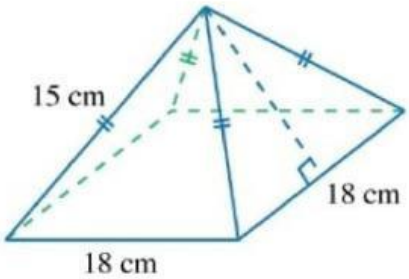
- A 88
- B 60
- C 53
- D 48

14. The diagram shows a sphere in a cylinder and both have the same radius.
Rajah di bawah menunjukkan sebuah sfera di dalam sebuah silinder, dengan kedua-duanya mempunyai jejari yang sama.

If the volume of the cylinder is twice the volume of the sphere, find the height, in cm, of the cylinder.
Jika isi padu silinder itu adalah dua kali isi padu sfera itu, cari tinggi, dalam cm, silinder itu.

- A 16
- B 14
- C 12
- D 10

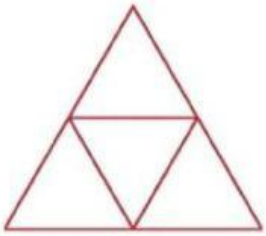
15. Find the surface area of the following pyramid.
Cari luas permukaan bagi piramid yang berikut.



- A 660 cm^2
- B 680 cm^2
- C 720 cm^2
- D 756 cm^2

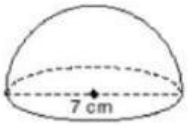
LIVEWORKSHEETS

16. Name the three-dimensional shape which can be formed from the following net.
Namakan bentuk tiga dimensi yang dapat dibentuk daripada bentangan yang berikut.



- **A** Cone
  Kon
- **B** Pyramid
  Piramid
- **C** Cube
  Kubus
- **D** Cylinder
  Silinder

17.

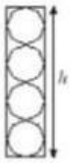


The solid shown in the diagram is a hemisphere with a diameter of 7 cm.
Find the surface area, in cm^2, of the hemisphere.
Pepejal yang ditunjukkan di atas ialah sebuah hemisfera yang berdiameter 7 cm.
Cari luas permukaan, dalam cm^2, hemisfera itu.

[Use/ Guna $\pi = \frac{22}{7}$]

- **A** 38.5
- **B** 77
- **C** 115.5
- **D** 154

18. The diagram shows the cross section of 4 balls of the same size in a cylinder.
Rajah di bawah menunjukkan keratan rentas bagi 4 biji bola yang sama besar di dalam sebuah silinder.



If the volume of each ball is $\frac{32}{3}\pi$ cm^3, find the height *h*, in cm, of the cylinder.
Jika isi padu setiap bola itu ialah $\frac{32}{3}\pi$ cm^3, cari tinggi h, dalam cm, bagi silinder itu.

- **A** 8
- **B** 12
- **C** 16
- **D** 18

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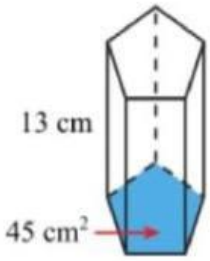
19. The diagram shows a straight prism.
Rajah di bawah menunjukkan sebuah prisma tegak.

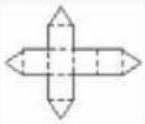
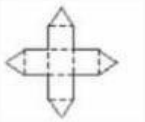


Calculate the volume, in cm^3, of the straight prism.
Hitung isi padu, dalam cm^3, *bagi prisma tegak.*

- A 976
- B 856
- C 585
- D 498

20. The diagram shows a solid consisting of a cuboid and a pyramid.
Rajah di bawah menunjukkan pepejal yang terdiri daripada sebuah kuboid dan sebuah piramid.

Which of the following is the net of the solid?
Antara berikut, yang manakah merupakan bentangan bagi pepejal itu?

- A
- B
- C 
- D 

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