

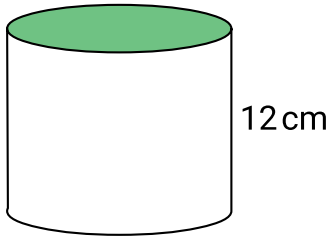
Year 7 Class 25 questions

Q1

Find the volume. cm³

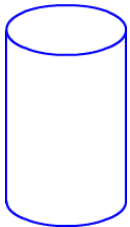
508.8

Area = 42.4 cm²



Q2

Name the solid.



Cylinder

Hexagonal prism

Cylinder

Cone

Cube

Q3

The top, front and side views of a solid are shown. Which solid is it?



top view



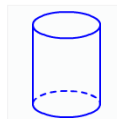
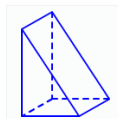
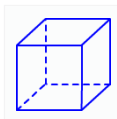
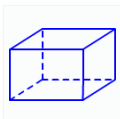
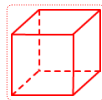
front view



side view



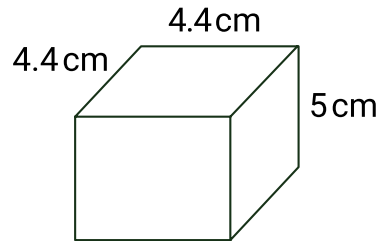
solid



Q4

Volume = cm³ (1d.p.)

96.8

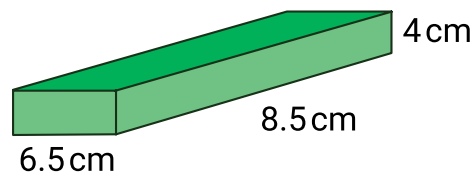


Q5

DIAGRAM IS NOT TO SCALE

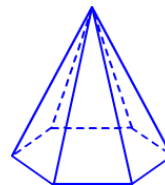
Find the volume. cm³

221



Q6

Name the solid.



Hexagonal pyramid

Rectangular pyramid

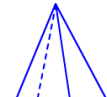
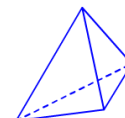
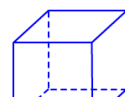
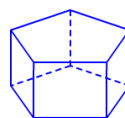
Pentagonal prism

Hexagonal pyramid

Pentagonal pyramid

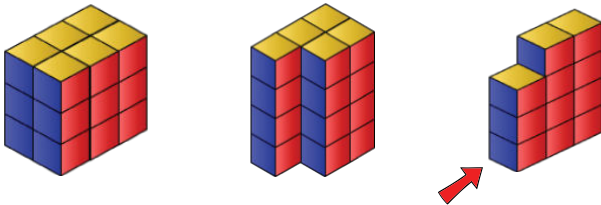
Q7

Choose the triangular pyramid.



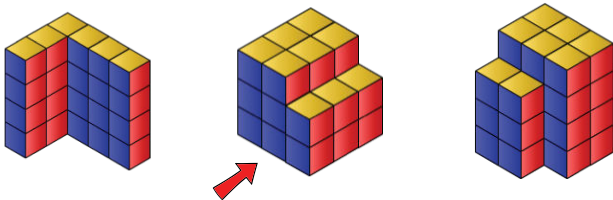
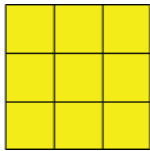
Q8

Which solid has the given front view?



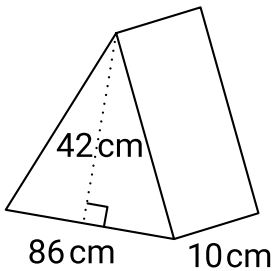
Q9

Which solid has the given top view?



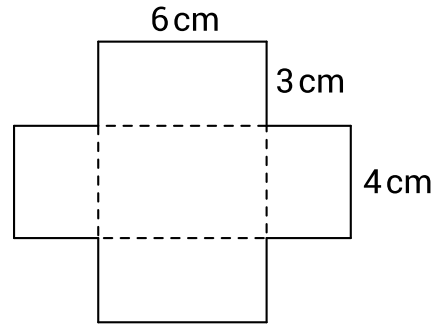
Q10

Volume = cm³
18060



Q11

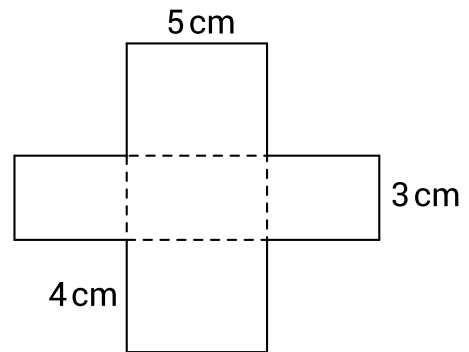
This sheet of cardboard is folded to form a box. Find its volume.



Volume = cm³ 72

Q12

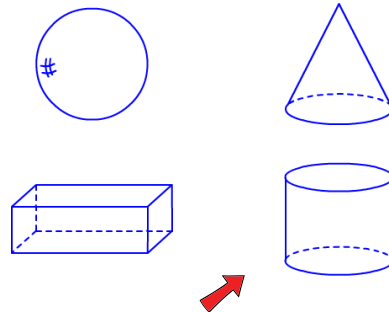
This sheet of cardboard is folded to form a box. Find its volume.



Volume = cm³ 60

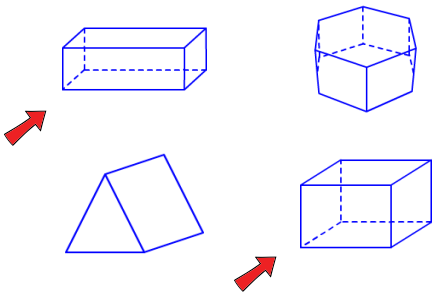
Q13

Choose the cylinder.



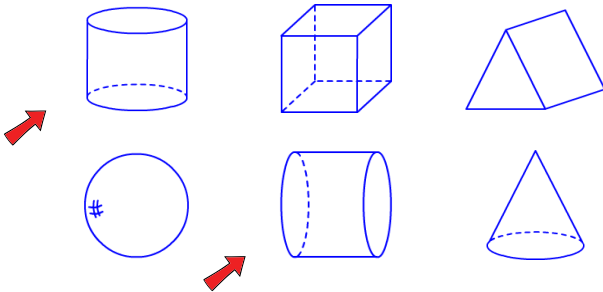
Q14

Choose ALL of the rectangular prisms.



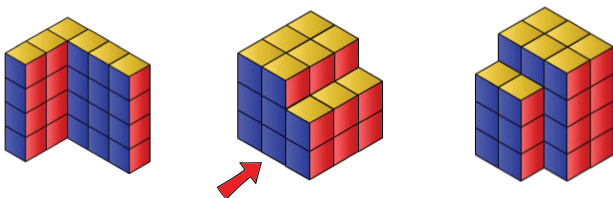
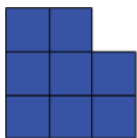
Q15

Choose ALL of the cylinders.



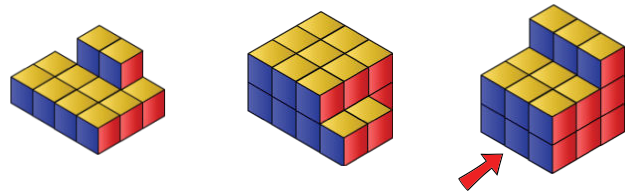
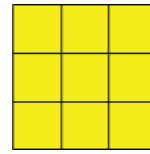
Q16

Which solid has the given front view?



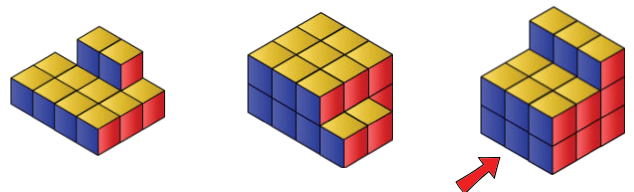
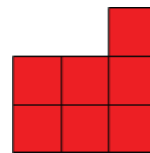
Q17

Which solid has the given top view?



Q18

Which solid has the given side view?

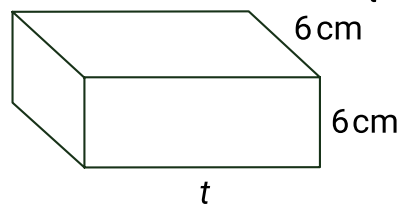


Q19

The volume of this prism is 216 cm^3 .

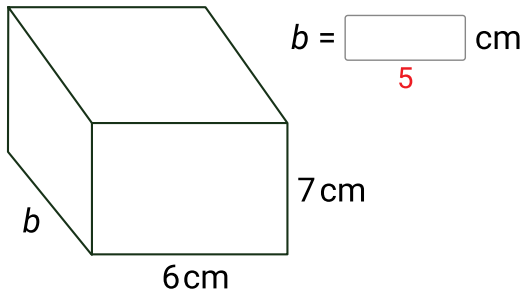
Find the value of t .

$t = \boxed{6} \text{ cm}$



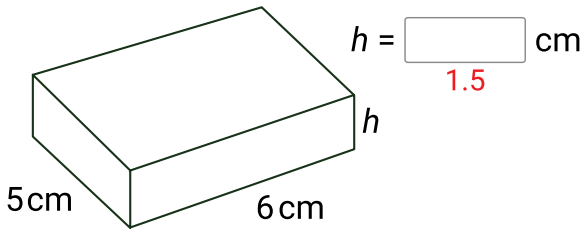
Q20

The volume of this prism is 210 cm^3 .
Find the value of b .



Q21

The volume of this prism is 45 cm^3 .
Find the value of h .



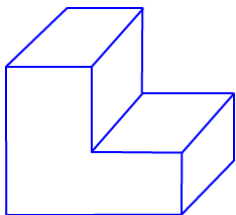
Q22

A rectangular prism has a volume of 9 cm^3 .
Two of the edge lengths of the prism are 2 cm and 3 cm. What is the length of the third dimension?

Length = cm

Q23

Name the solid.



Hexagonal prism

Cylinder

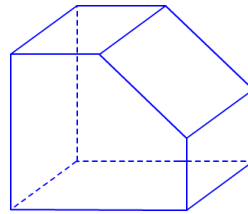
Pentagonal prism

Hexagonal pyramid

Hexagonal prism

Q24

Name the solid.



Pentagonal prism

Pentagonal prism

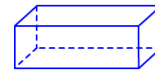
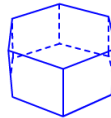
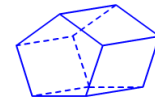
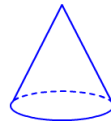
Hexagonal prism

Pentagonal pyramid

Hexagonal pyramid

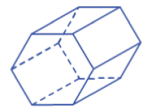
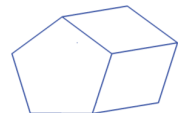
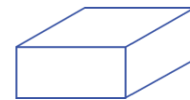
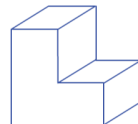
Q25

Choose the pentagonal prism.



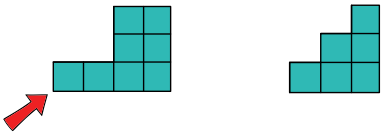
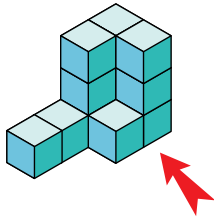
Q26

Choose ALL of the pentagonal prisms.



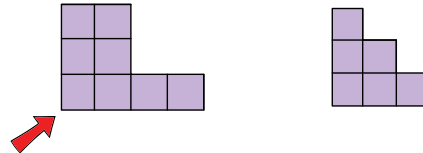
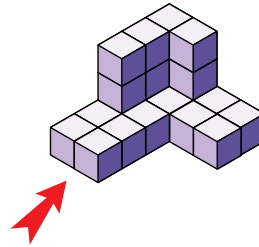
Q27

If you look at this solid from the direction shown, which view will you see?



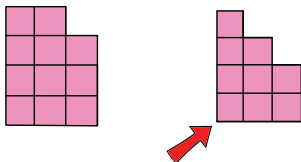
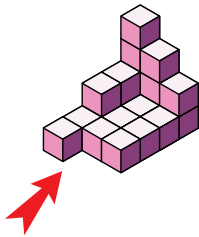
Q29

If you look at this solid from the direction shown, which view will you see?



Q28

If you look at this solid from the direction shown, which view will you see?



Q30

If you look at this solid from the top, which view will you see?

