Year 8 Class 23 questions

Q1

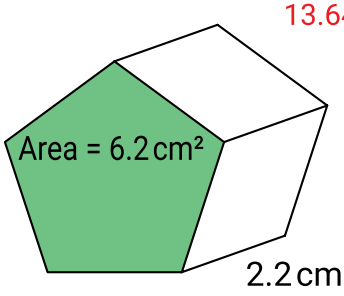
What is the most appropriate unit of volume for a cup?

○ km^3 ○ m^3 ○ cm^3

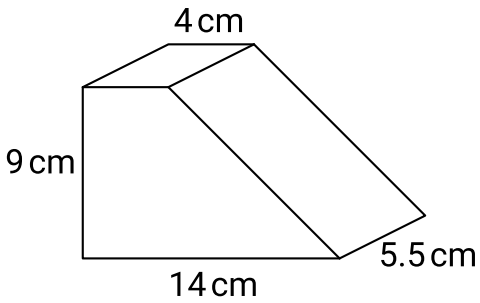
Q2

Find the volume. [ ] cm^3

13.64



Q3



Volume = [ ] cm^3 445.5

Q4

Complete the conversion.

2 cm^3 = [ ] mm^3

2000

Q5

Complete the conversion.

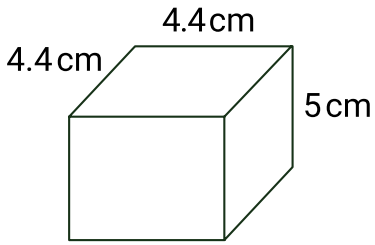
750 mL = [ ] cm^3

750

Q6

Volume = [ ] cm^3 (1d.p.)

96.8

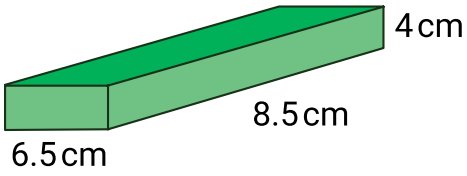


Q7

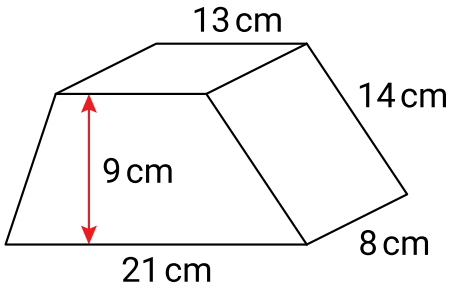
DIAGRAM IS NOT TO SCALE

Find the volume. [ ] cm^3

221

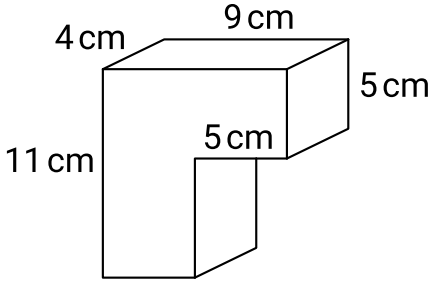


Q8



Volume = [ ] cm^3 1224

Q9



Volume = [ ] cm^3 276

Q10

Complete the conversion.

25 000 mm³ = [ ] cm³

25

Q11

Complete the conversion.

3500 mm³ = [ ] cm³

3.5

Q12

Complete the conversion.

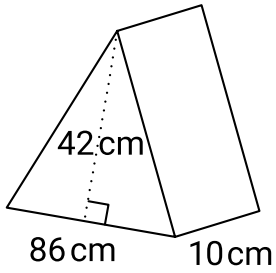
2 m³ = [ ] cm³

2 000 000

Q13

Volume = [ ] cm³

18 060



Q14

What is the volume of a rectangular prism with length 8 cm, width 7.5 cm and height 4.2 cm?

Volume = [ ] cm³

252

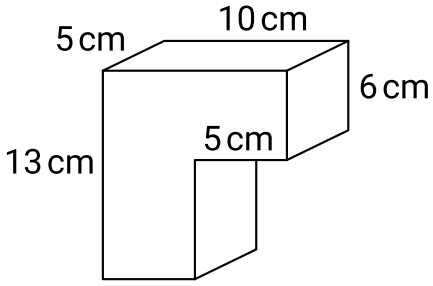
Q15

A hexagonal prism has a volume of 900 cm³. The height of the prism is 24 cm. What is the area of the hexagonal face?

Area = [ ] cm²

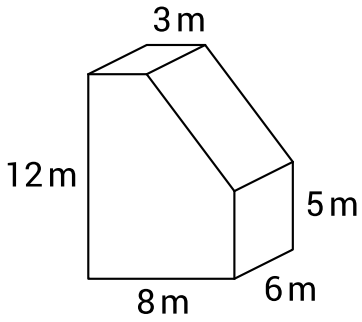
37.5

Q16



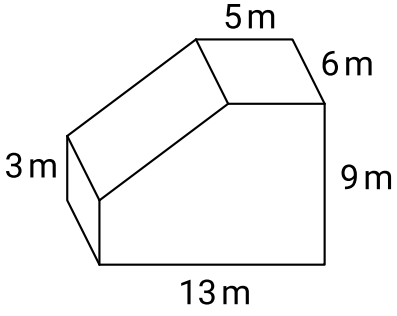
Volume = [ ] cm³ 475

Q17



Volume = [ ] m³ 471

Q18



Volume = [ ] m³

558

Q19

Complete the conversion.

9000 kL = [ ] ML

9

Q20

Complete the conversion.

14.2 L = [ ] cm^3

14 200

Q21

Complete the conversion.

2 kL = [ ] cm^3

2 000 000

Q22

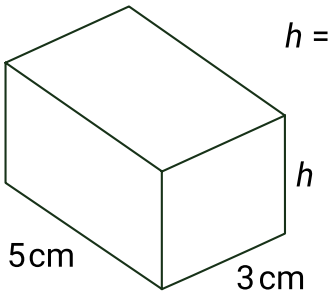
Complete the conversion.

3 200 000 cm^3 = [ ] kL

3.2

Q23

The volume of this prism is 60 cm^3.
Find the value of h.

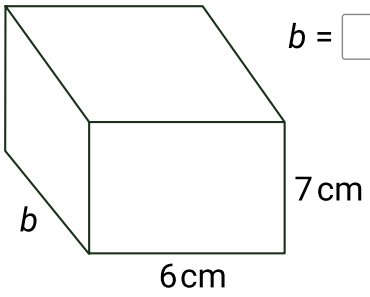


h = [ ] cm

4

Q24

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

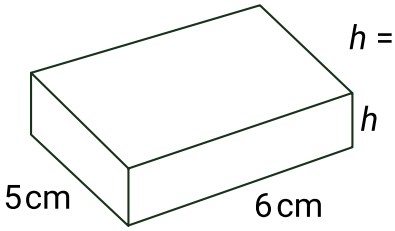


b = [ ] cm

5

Q25

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



h = [ ] cm

1.5

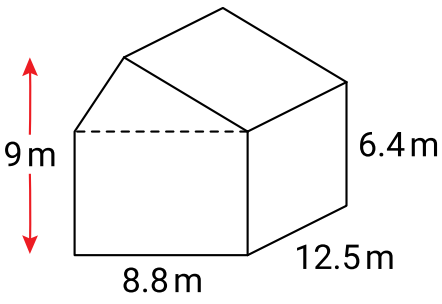
Q26

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

1.5

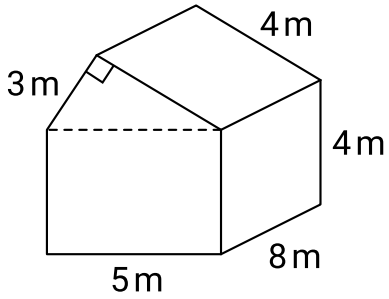
Q27



Volume = [ ] m^3

847

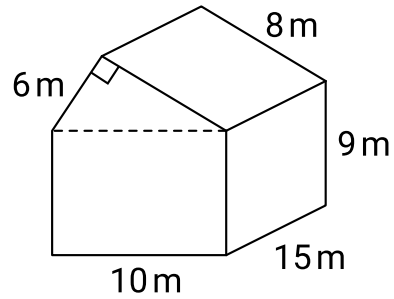
Q28



Volume = [ ] m³

208

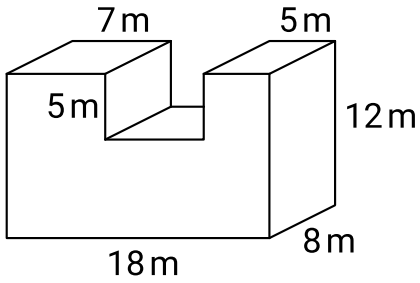
Q29



Volume = [ ] m³

1710

Q30



Volume = [ ] m³

1488