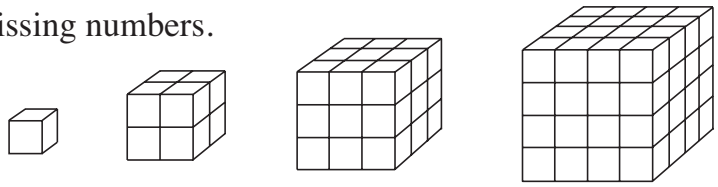
1

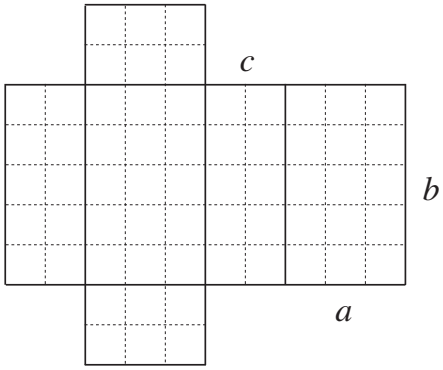
Imagine these cubes built from unit cubes.
Fill in the missing numbers.



Length of 1 edge ⟼	1	2	3	4	5	6
Area of cube □	6	24	54	96	150	216
Volume of cube	1	8	27	64	125	216

2

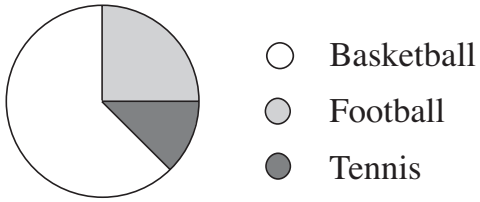
Imagine the cuboid which has this net. Calculate its surface area and volume.
Complete the table.



a ⟼	b ⟼	c ⟼	A □	V
3	5	2	62	30

3

The **pie chart** shows which part of the class chose which game to play.



a) Write each part as a fraction. B: $\frac{5}{8}$ F: $\frac{2}{8}$ T: $\frac{1}{8}$

b) How many children chose each game if there were 24 pupils in the class? B: 15 F: 6 T: 3

4

Solve the equations.

a) i) $3 + \boxed{8} = 11$ ii) $\boxed{180} + 820 = 1000$ iii) $\frac{3}{7} + \boxed{\frac{3}{7}} = \frac{6}{7}$

iv) $\boxed{\frac{7}{9}} + \frac{2}{9} = 1$ v) $2.3 + \boxed{1.7} = 4$ vi) $\boxed{0.4} + 0.6 = 1$

b) i) $7 - \boxed{5} = 2$ ii) $\boxed{1820} - 820 = 1000$ iii) $\frac{8}{9} - \boxed{\frac{6}{9}} = \frac{2}{9}$

iv) $\boxed{\frac{2}{3}} - \frac{1}{3} = \frac{1}{3}$ v) $4.3 - \boxed{1.2} = 3.1$ vi) $\boxed{1} - 0.6 = 0.4$