

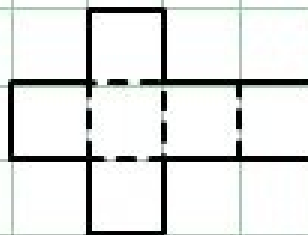


visualizing shapes Ex 19.2 Q4

Answer :

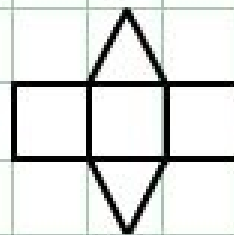
(i)

Cube



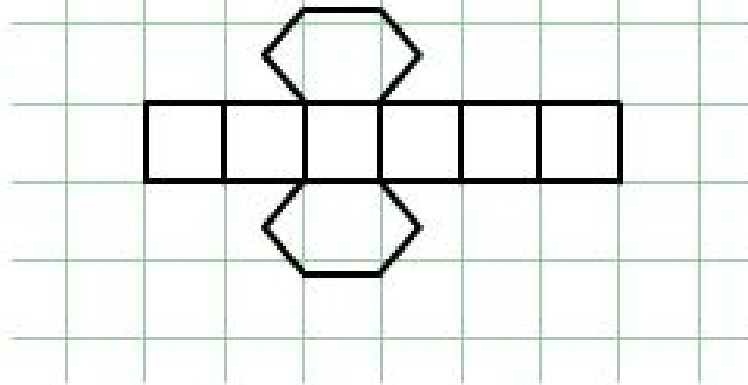
(ii)

Triangular prism



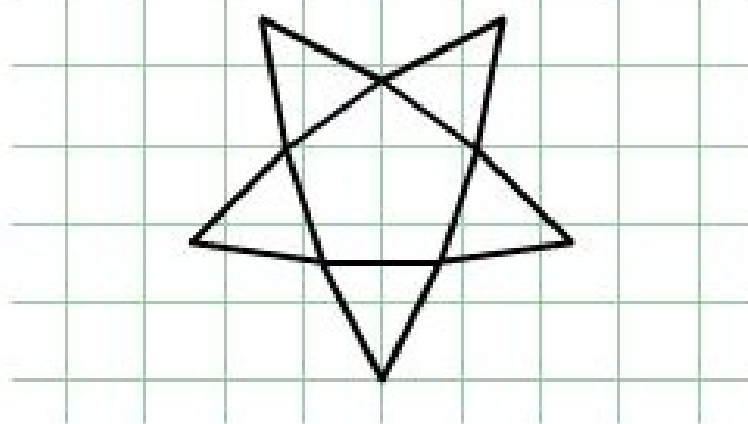
(iii)

Hexagonal prism



(iv)

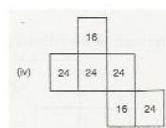
Pentagonal pyramid



visualizing shapes Ex 19.2 Q5

Answer :

(a) The given figure is a cuboid with sides 4, 4 and 6 units. Area of a rectangle = length \times width



(b)

The given figure is a cuboid with sides 3, 3 and 8.

Area of a rectangle = length \times width

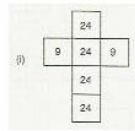
\therefore Area of the rectangular face with sides 3 and 3 = $3 \times 3 = 9$

And the area of the other face with sides 3 and 8 = $3 \times 8 = 24$

Thus, the net for given figure will have four faces with area 24 and two faces with area 9.

Observe that net (i) satisfies this.

Thus, the net of figure (b) is net (i).



(c)

The given figure is a cuboid with sides 3, 4 and 6.

Area of a **rectangle** = length \times width

\therefore Area of the rectangular face with sides 3 and 4 = $3 \times 4 = 12$,

Area of the rectangular face with sides 4 and 6 = $4 \times 6 = 24$

And, area of the other face with sides 3 and 6 = $3 \times 6 = 18$

Thus, the net for given figure will have two faces with area 24, two faces with area 18 and

Observe that net (ii) satisfies this.

Thus, the net of figure (c) is net (ii).



(d)

The given figure is a cuboid with sides 3, 3 and 9.

Area of a **rectangle** = length \times width

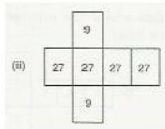
Area of the rectangular face with sides 3 and 3 = $3 \times 3 = 9$,

And, area of the other face with sides 3 and 9 = $3 \times 9 = 27$

Thus, the net for given figure will have four faces with area 27 and two faces with area 9.

Observe that net (iii) satisfies this.

Thus, the net of figure (d) is net (iii).



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