28. Nets and Surface Area

a) Demo · Surface Area of Rectangular Prism

length = 3, width = 2, height = 1

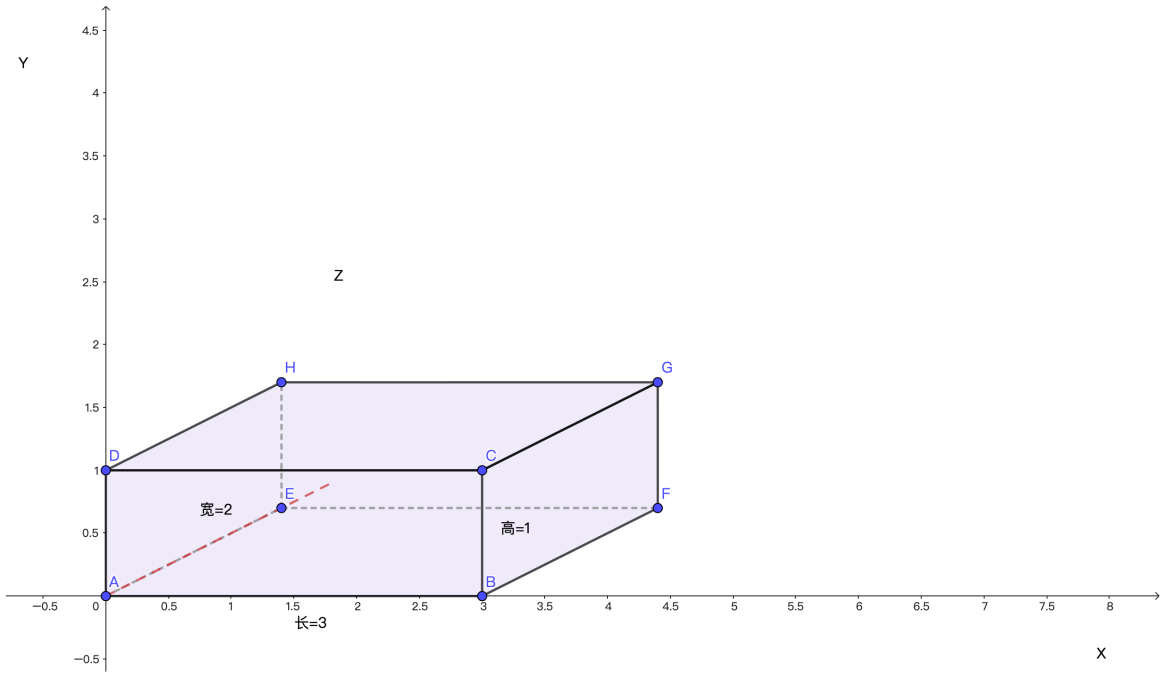
Surface Area = 2 × (length×width + length×height + width×height)

$$S = 2 \times (3\times2 + 3\times1 + 2\times1)$$

$$= 2 \times (6 + 3 + 2)$$

$$= 2 \times 11$$

$$= 22$$

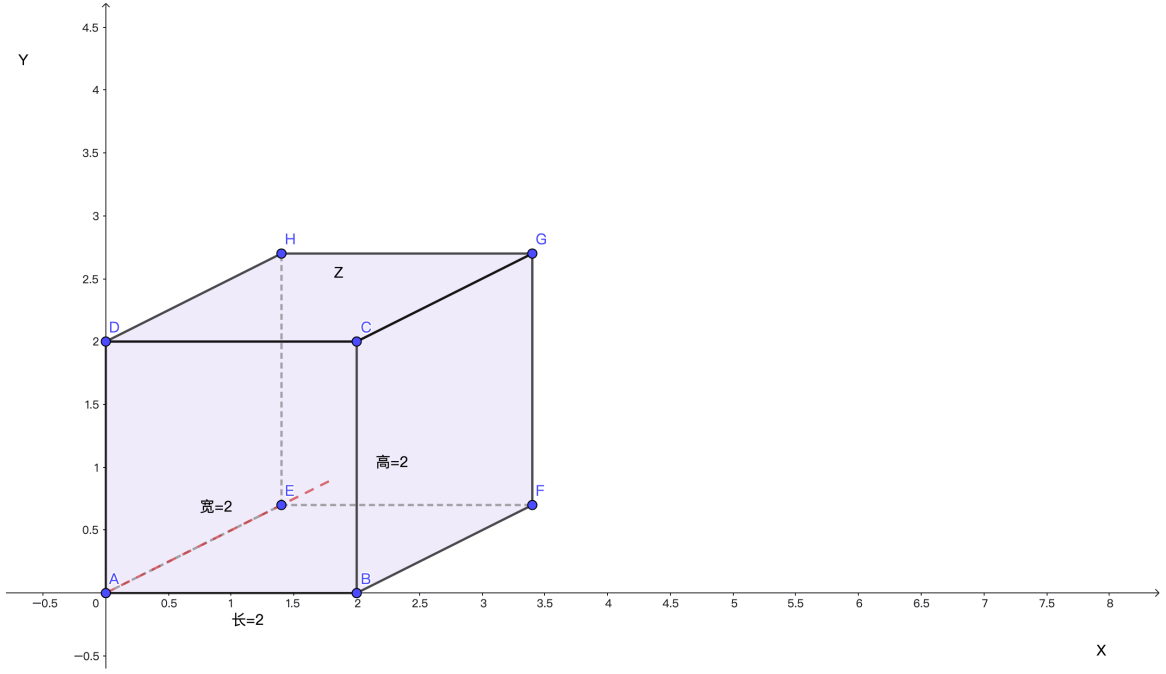


b) Cube

length = 2, width = 2, height = 2

Surface Area = 6 × (side×side)

Surface Area =



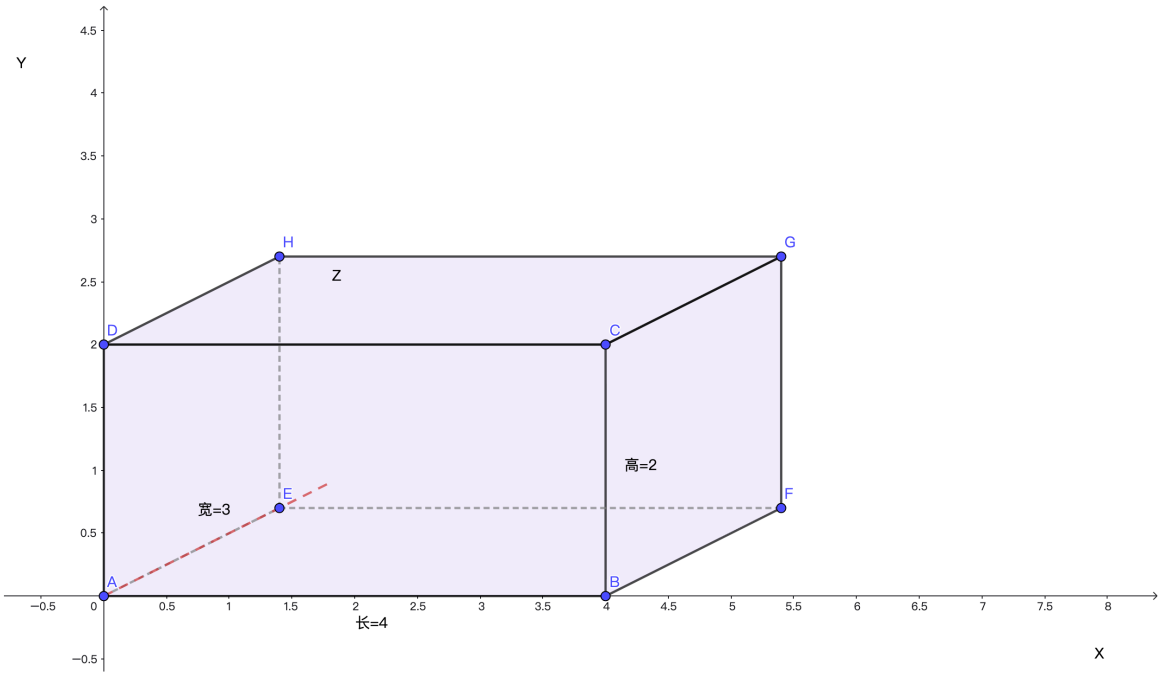
28. Nets and Surface Area

c) Rectangular Prism

length = 4, width = 3, height = 2

Surface Area = 2 × (length×width + length×height + width×height)

Surface Area =

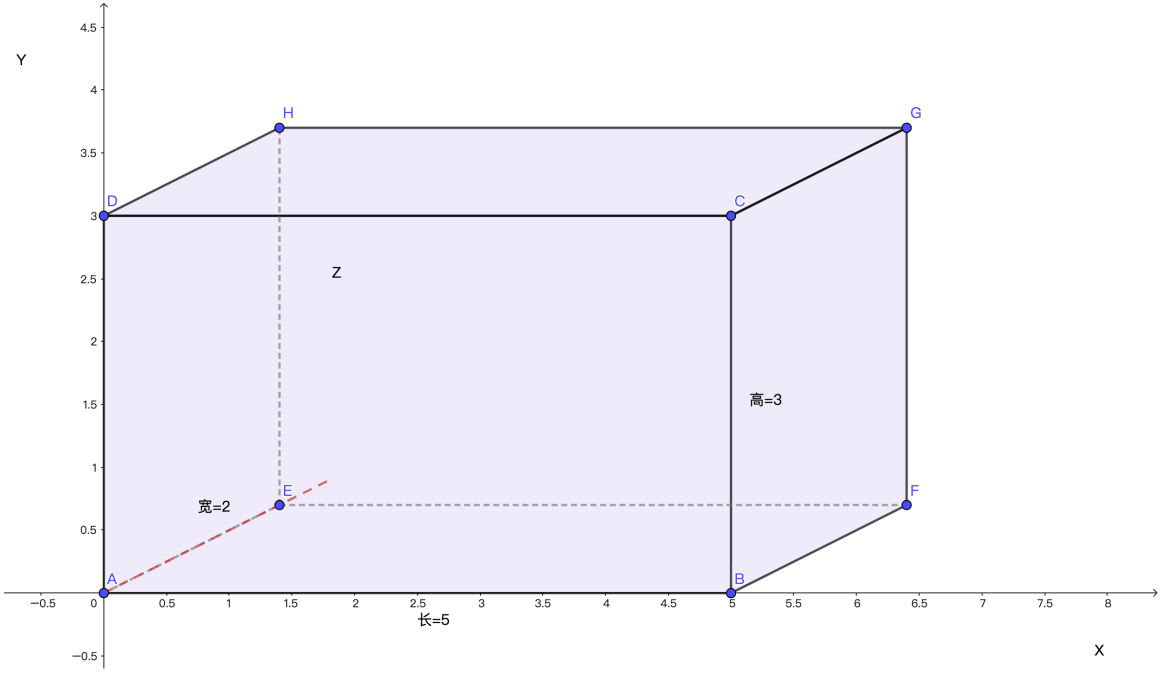


d) Rectangular Prism

length = 5, width = 2, height = 3

Surface Area = 2 × (length×width + length×height + width×height)

Surface Area =



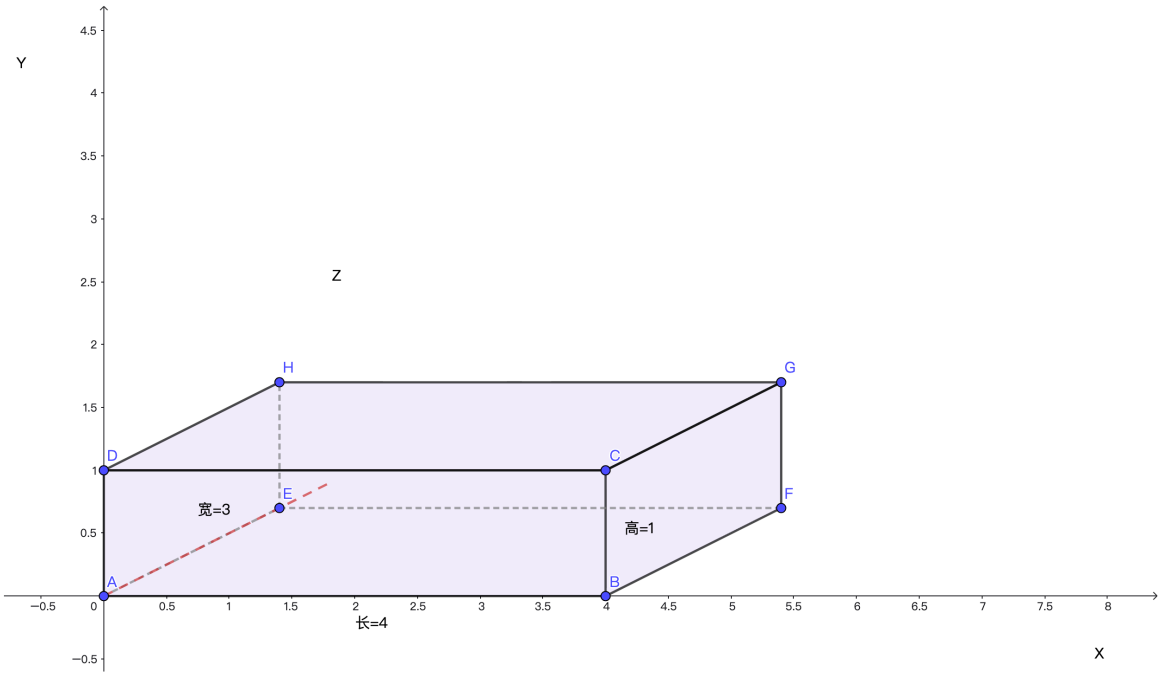
28. Nets and Surface Area

e) Rectangular Prism

Surface Area = **38**, length = **4**, width = **3**

Surface Area = 2 × (length×width + length×height + width×height)

Height =



f) Gift Box

A gift box has length **6** cm, width **2** cm, height **2** cm

How many square centimeters of wrapping paper are needed?

Wrapping paper area =