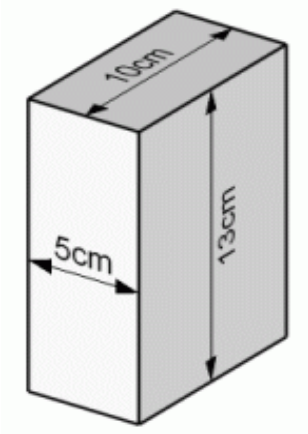
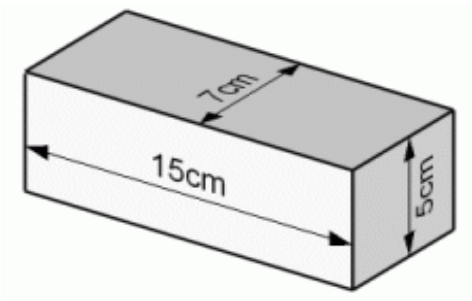
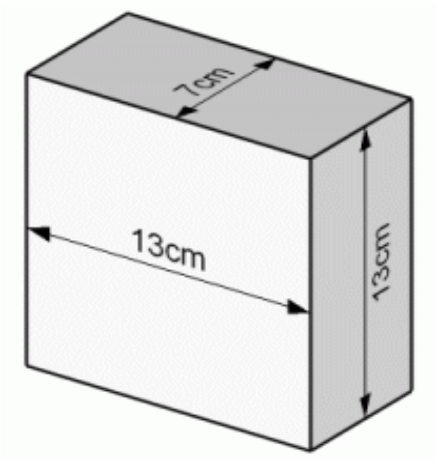


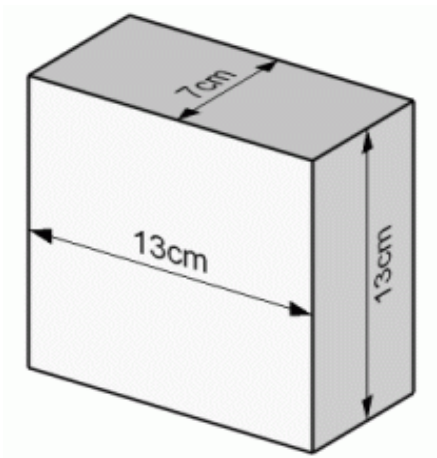
# Rectangular Prisms (A)

Instructions: Find the volume and surface area of the rectangular prisms.



# Rectangular Prisms (A) Answers

Instructions: Find the volume and surface area of the rectangular prisms.



$$L = 13 \text{ cm}$$

$$W = 7 \text{ cm}$$

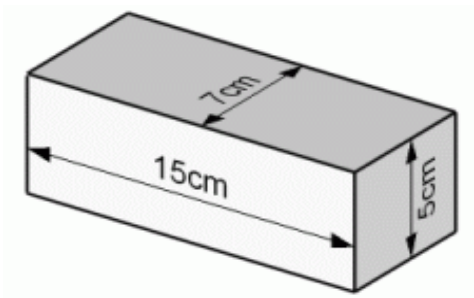
$$H = 13 \text{ cm}$$

$$SA = (13 \times 7 \times 2) + (7 \times 13 \times 2) + (13 \times 13 \times 2)$$

$$SA = 702 \text{ cm}^2$$

$$V = 13 \times 7 \times 13$$

$$V = 1183 \text{ cm}^3$$



$$L = 15 \text{ cm}$$

$$W = 7 \text{ cm}$$

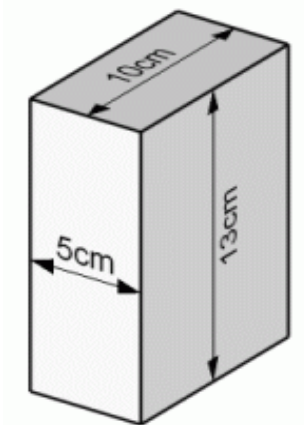
$$H = 5 \text{ cm}$$

$$SA = (15 \times 7 \times 2) + (7 \times 5 \times 2) + (15 \times 5 \times 2)$$

$$SA = 430 \text{ cm}^2$$

$$V = 15 \times 7 \times 5$$

$$V = 525 \text{ cm}^3$$



$$L = 5 \text{ cm}$$

$$W = 10 \text{ cm}$$

$$H = 13 \text{ cm}$$

$$SA = (5 \times 10 \times 2) + (10 \times 13 \times 2) + (5 \times 13 \times 2)$$

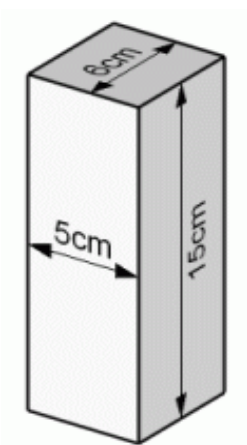
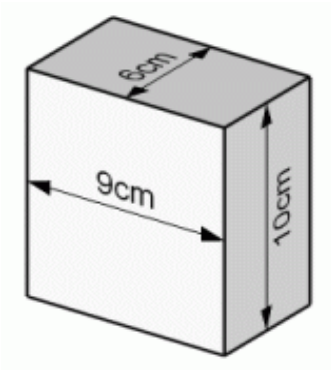
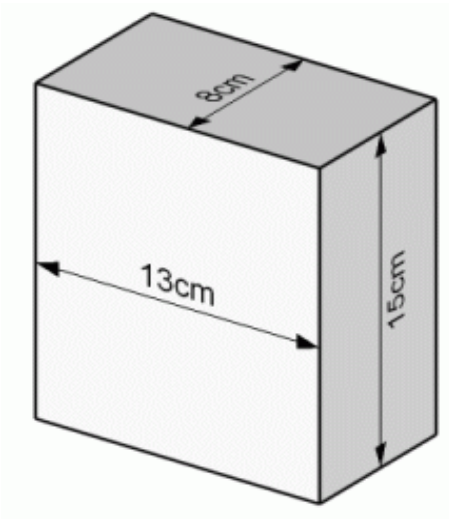
$$SA = 490 \text{ cm}^2$$

$$V = 5 \times 10 \times 13$$

$$V = 650 \text{ cm}^3$$

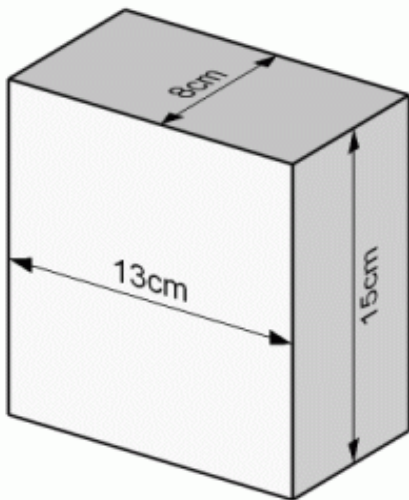
# Rectangular Prisms (B)

Instructions: Find the volume and surface area of the rectangular prisms.



# Rectangular Prisms (B) Answers

Instructions: Find the volume and surface area of the rectangular prisms.



$$L = 13 \text{ cm}$$

$$W = 8 \text{ cm}$$

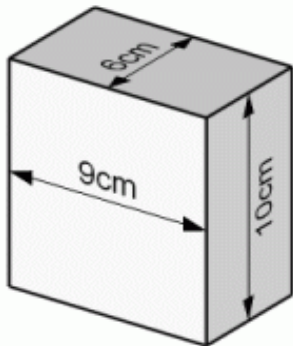
$$H = 15 \text{ cm}$$

$$SA = (13 \times 8 \times 2) + (8 \times 15 \times 2) + (13 \times 15 \times 2)$$

$$SA = 838 \text{ cm}^2$$

$$V = 13 \times 8 \times 15$$

$$V = 1560 \text{ cm}^3$$



$$L = 9 \text{ cm}$$

$$W = 6 \text{ cm}$$

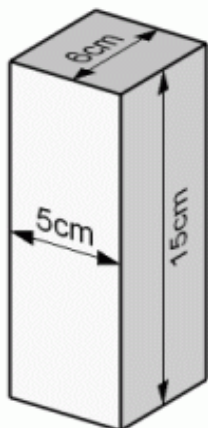
$$H = 10 \text{ cm}$$

$$SA = (9 \times 6 \times 2) + (6 \times 10 \times 2) + (9 \times 10 \times 2)$$

$$SA = 408 \text{ cm}^2$$

$$V = 9 \times 6 \times 10$$

$$V = 540 \text{ cm}^3$$



$$L = 5 \text{ cm}$$

$$W = 6 \text{ cm}$$

$$H = 15 \text{ cm}$$

$$SA = (5 \times 6 \times 2) + (6 \times 15 \times 2) + (5 \times 15 \times 2)$$

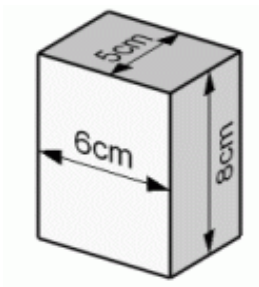
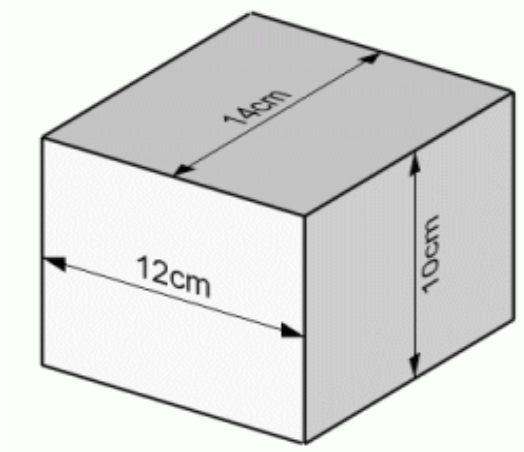
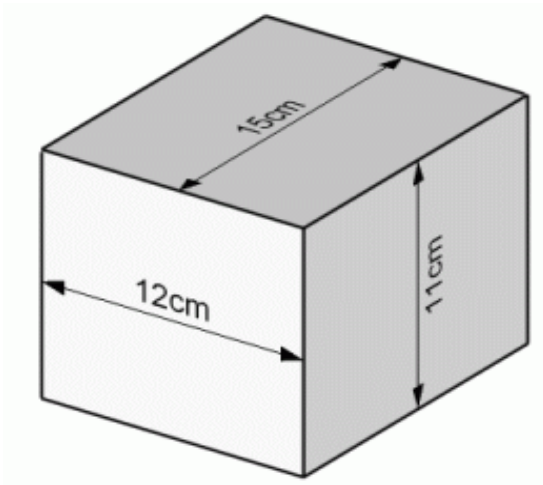
$$SA = 390 \text{ cm}^2$$

$$V = 5 \times 6 \times 15$$

$$V = 450 \text{ cm}^3$$

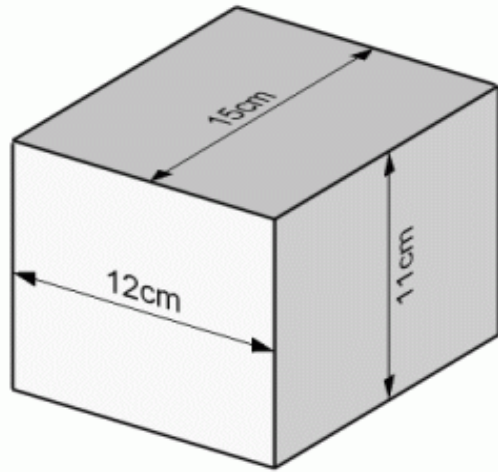
# Rectangular Prisms (C)

Instructions: Find the volume and surface area of the rectangular prisms.



# Rectangular Prisms (C) Answers

Instructions: Find the volume and surface area of the rectangular prisms.



$$L = 12 \text{ cm}$$

$$W = 15 \text{ cm}$$

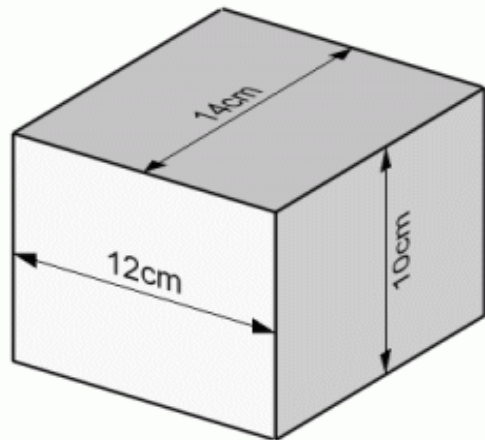
$$H = 11 \text{ cm}$$

$$SA = (12 \times 15 \times 2) + (15 \times 11 \times 2) + (12 \times 11 \times 2)$$

$$SA = 954 \text{ cm}^2$$

$$V = 12 \times 15 \times 11$$

$$V = 1980 \text{ cm}^3$$



$$L = 12 \text{ cm}$$

$$W = 14 \text{ cm}$$

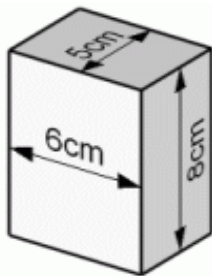
$$H = 10 \text{ cm}$$

$$SA = (12 \times 14 \times 2) + (14 \times 10 \times 2) + (12 \times 10 \times 2)$$

$$SA = 856 \text{ cm}^2$$

$$V = 12 \times 14 \times 10$$

$$V = 1680 \text{ cm}^3$$



$$L = 6 \text{ cm}$$

$$W = 5 \text{ cm}$$

$$H = 8 \text{ cm}$$

$$SA = (6 \times 5 \times 2) + (5 \times 8 \times 2) + (6 \times 8 \times 2)$$

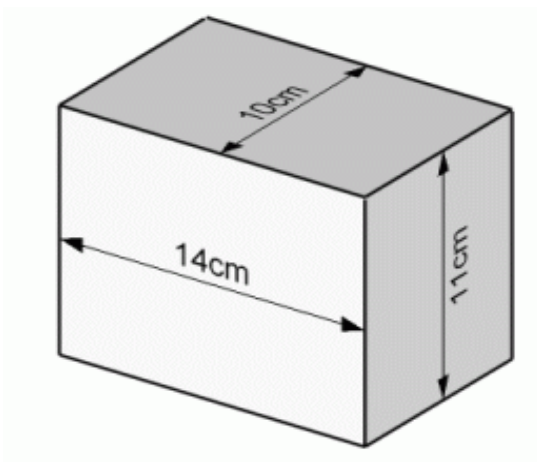
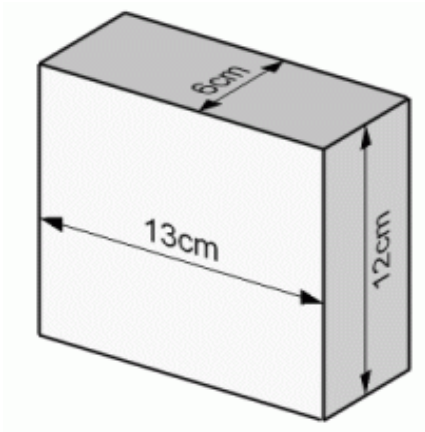
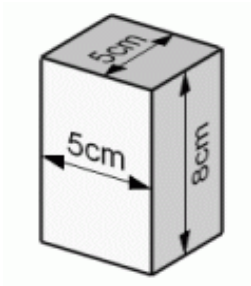
$$SA = 236 \text{ cm}^2$$

$$V = 6 \times 5 \times 8$$

$$V = 240 \text{ cm}^3$$

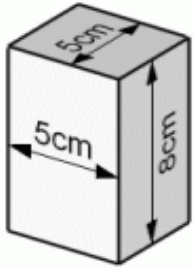
# Rectangular Prisms (D)

Instructions: Find the volume and surface area of the rectangular prisms.



# Rectangular Prisms (D) Answers

Instructions: Find the volume and surface area of the rectangular prisms.



$$L = 5 \text{ cm}$$

$$W = 5 \text{ cm}$$

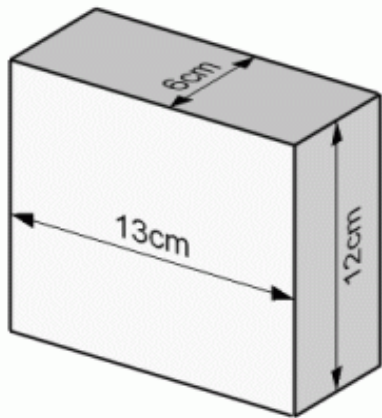
$$H = 8 \text{ cm}$$

$$SA = (5 \times 5 \times 2) + (5 \times 8 \times 2) + (5 \times 8 \times 2)$$

$$SA = 210 \text{ cm}^2$$

$$V = 5 \times 5 \times 8$$

$$V = 200 \text{ cm}^3$$



$$L = 13 \text{ cm}$$

$$W = 6 \text{ cm}$$

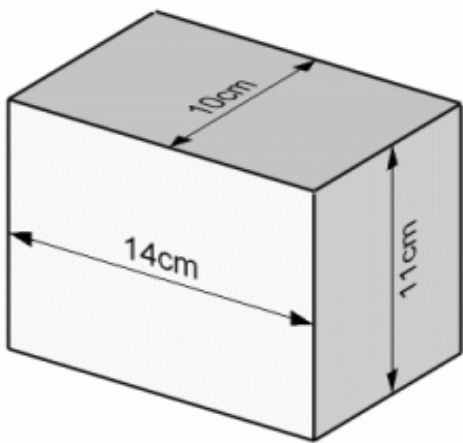
$$H = 12 \text{ cm}$$

$$SA = (13 \times 6 \times 2) + (6 \times 12 \times 2) + (13 \times 12 \times 2)$$

$$SA = 612 \text{ cm}^2$$

$$V = 13 \times 6 \times 12$$

$$V = 936 \text{ cm}^3$$



$$L = 14 \text{ cm}$$

$$W = 10 \text{ cm}$$

$$H = 11 \text{ cm}$$

$$SA = (14 \times 10 \times 2) + (10 \times 11 \times 2) + (14 \times 11 \times 2)$$

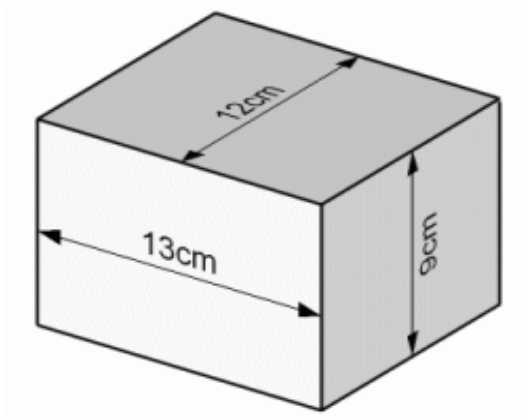
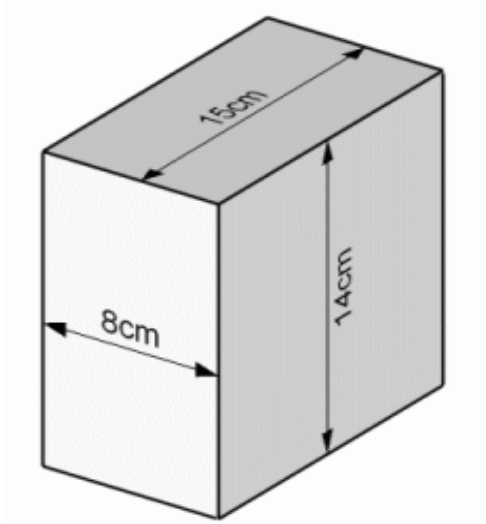
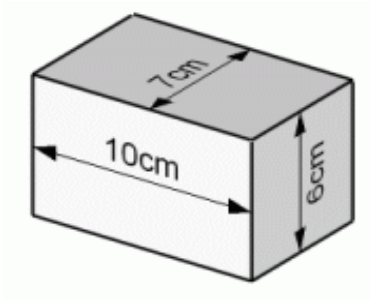
$$SA = 808 \text{ cm}^2$$

$$V = 14 \times 10 \times 11$$

$$V = 1540 \text{ cm}^3$$

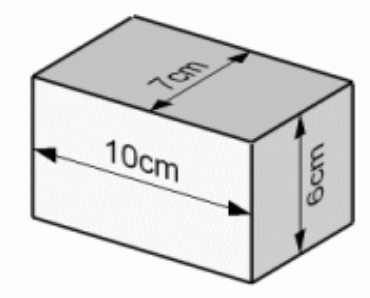
# Rectangular Prisms (E)

Instructions: Find the volume and surface area of the rectangular prisms.



# Rectangular Prisms (E) Answers

Instructions: Find the volume and surface area of the rectangular prisms.



$$L = 10 \text{ cm}$$

$$W = 7 \text{ cm}$$

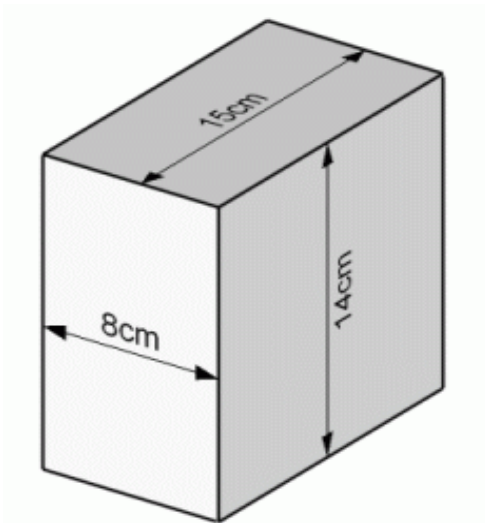
$$H = 6 \text{ cm}$$

$$SA = (10 \times 7 \times 2) + (7 \times 6 \times 2) + (10 \times 6 \times 2)$$

$$SA = 344 \text{ cm}^2$$

$$V = 10 \times 7 \times 6$$

$$V = 420 \text{ cm}^3$$



$$L = 8 \text{ cm}$$

$$W = 15 \text{ cm}$$

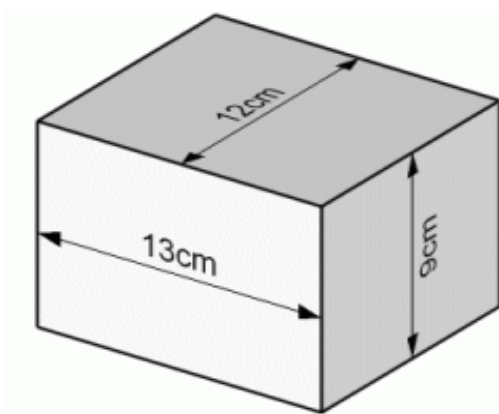
$$H = 14 \text{ cm}$$

$$SA = (8 \times 15 \times 2) + (15 \times 14 \times 2) + (8 \times 14 \times 2)$$

$$SA = 884 \text{ cm}^2$$

$$V = 8 \times 15 \times 14$$

$$V = 1680 \text{ cm}^3$$



$$L = 13 \text{ cm}$$

$$W = 12 \text{ cm}$$

$$H = 9 \text{ cm}$$

$$SA = (13 \times 12 \times 2) + (12 \times 9 \times 2) + (13 \times 9 \times 2)$$

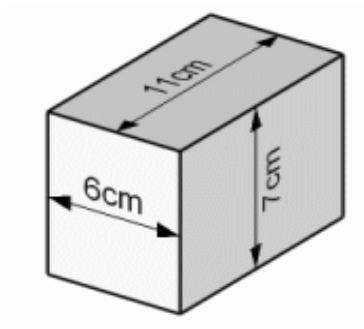
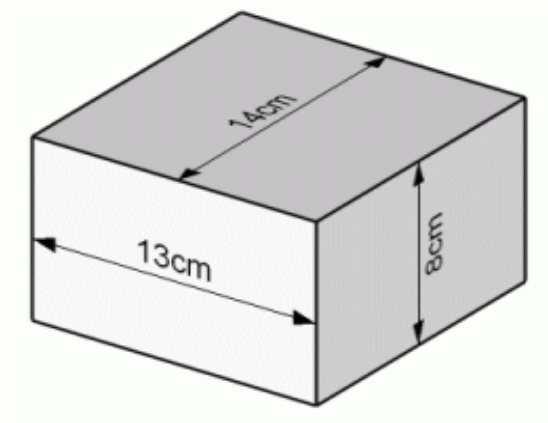
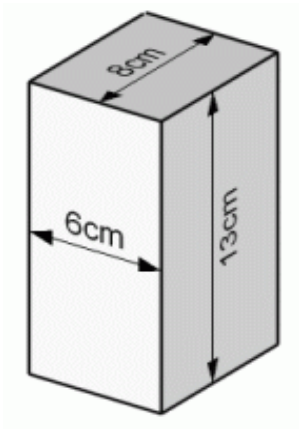
$$SA = 762 \text{ cm}^2$$

$$V = 13 \times 12 \times 9$$

$$V = 1404 \text{ cm}^3$$

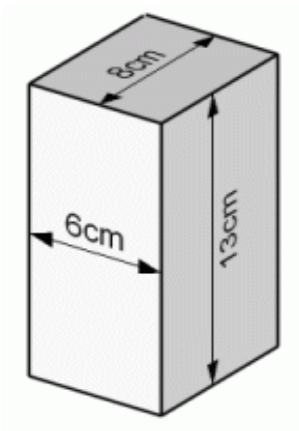
# Rectangular Prisms (F)

Instructions: Find the volume and surface area of the rectangular prisms.



# Rectangular Prisms (F) Answers

Instructions: Find the volume and surface area of the rectangular prisms.



$$L = 6 \text{ cm}$$

$$W = 8 \text{ cm}$$

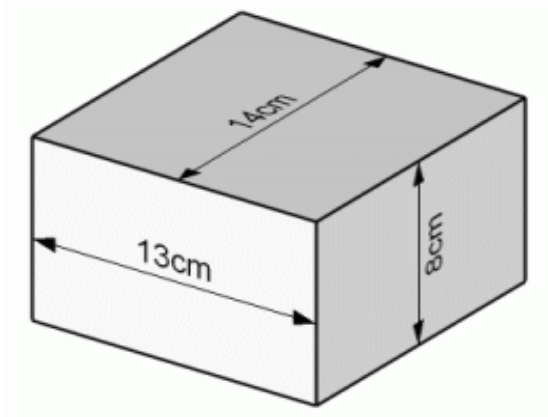
$$H = 13 \text{ cm}$$

$$SA = (6 \times 8 \times 2) + (8 \times 13 \times 2) + (6 \times 13 \times 2)$$

$$SA = 460 \text{ cm}^2$$

$$V = 6 \times 8 \times 13$$

$$V = 624 \text{ cm}^3$$



$$L = 13 \text{ cm}$$

$$W = 14 \text{ cm}$$

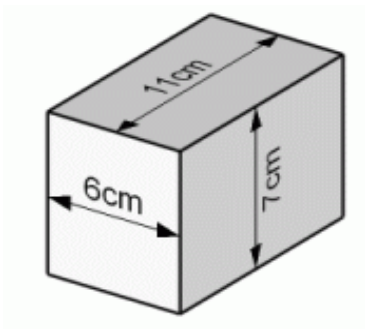
$$H = 8 \text{ cm}$$

$$SA = (13 \times 14 \times 2) + (14 \times 8 \times 2) + (13 \times 8 \times 2)$$

$$SA = 796 \text{ cm}^2$$

$$V = 13 \times 14 \times 8$$

$$V = 1456 \text{ cm}^3$$



$$L = 6 \text{ cm}$$

$$W = 11 \text{ cm}$$

$$H = 7 \text{ cm}$$

$$SA = (6 \times 11 \times 2) + (11 \times 7 \times 2) + (6 \times 7 \times 2)$$

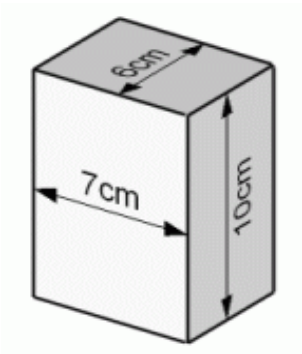
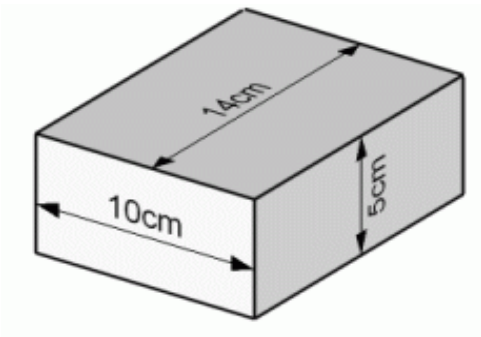
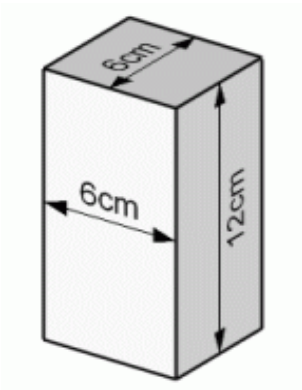
$$SA = 370 \text{ cm}^2$$

$$V = 6 \times 11 \times 7$$

$$V = 462 \text{ cm}^3$$

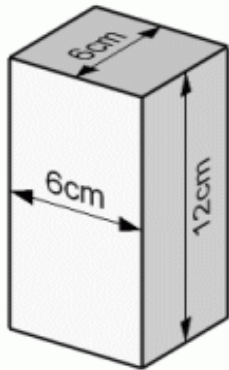
# Rectangular Prisms (G)

Instructions: Find the volume and surface area of the rectangular prisms.



# Rectangular Prisms (G) Answers

Instructions: Find the volume and surface area of the rectangular prisms.



$$L = 6 \text{ cm}$$

$$W = 6 \text{ cm}$$

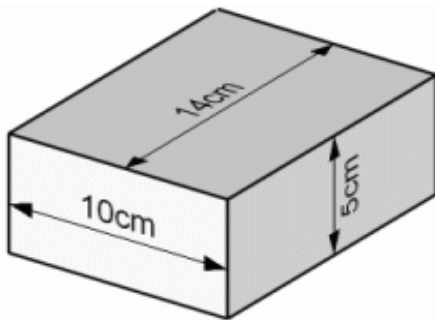
$$H = 12 \text{ cm}$$

$$SA = (6 \times 6 \times 2) + (6 \times 12 \times 2) + (6 \times 12 \times 2)$$

$$SA = 360 \text{ cm}^2$$

$$V = 6 \times 6 \times 12$$

$$V = 432 \text{ cm}^3$$



$$L = 10 \text{ cm}$$

$$W = 14 \text{ cm}$$

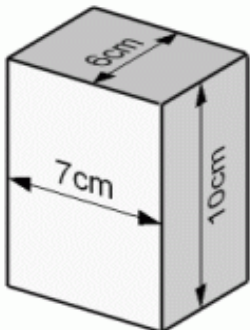
$$H = 5 \text{ cm}$$

$$SA = (10 \times 14 \times 2) + (14 \times 5 \times 2) + (10 \times 5 \times 2)$$

$$SA = 520 \text{ cm}^2$$

$$V = 10 \times 14 \times 5$$

$$V = 700 \text{ cm}^3$$



$$L = 7 \text{ cm}$$

$$W = 6 \text{ cm}$$

$$H = 10 \text{ cm}$$

$$SA = (7 \times 6 \times 2) + (6 \times 10 \times 2) + (7 \times 10 \times 2)$$

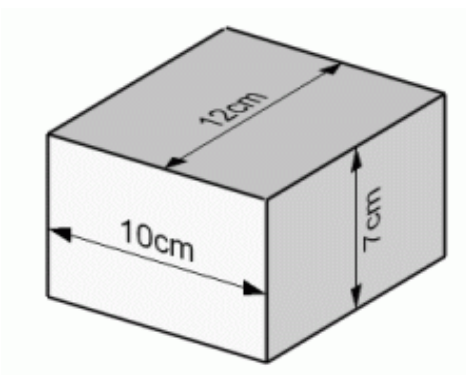
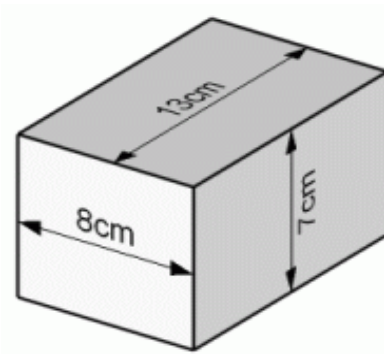
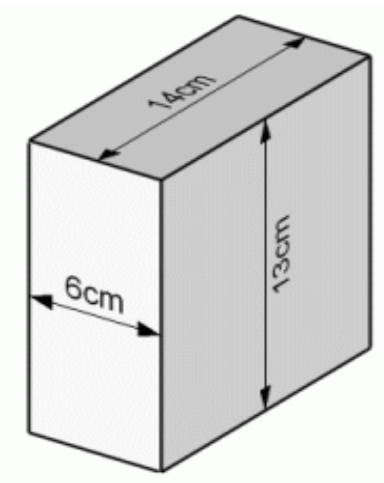
$$SA = 344 \text{ cm}^2$$

$$V = 7 \times 6 \times 10$$

$$V = 420 \text{ cm}^3$$

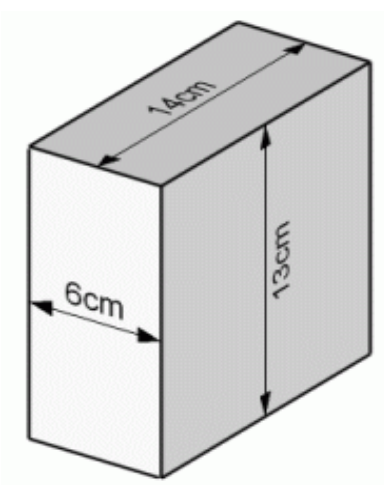
# Rectangular Prisms (H)

Instructions: Find the volume and surface area of the rectangular prisms.



# Rectangular Prisms (H) Answers

Instructions: Find the volume and surface area of the rectangular prisms.



$$L = 6 \text{ cm}$$

$$W = 14 \text{ cm}$$

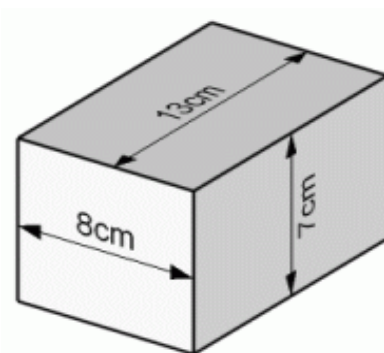
$$H = 13 \text{ cm}$$

$$SA = (6 \times 14 \times 2) + (14 \times 13 \times 2) + (6 \times 13 \times 2)$$

$$SA = 688 \text{ cm}^2$$

$$V = 6 \times 14 \times 13$$

$$V = 1092 \text{ cm}^3$$



$$L = 8 \text{ cm}$$

$$W = 13 \text{ cm}$$

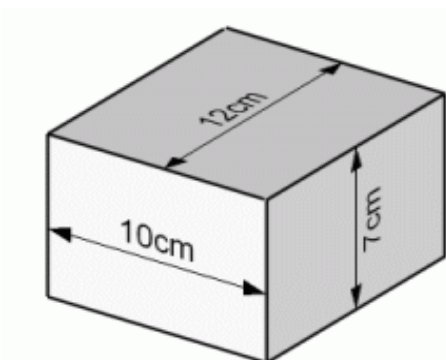
$$H = 7 \text{ cm}$$

$$SA = (8 \times 13 \times 2) + (13 \times 7 \times 2) + (8 \times 7 \times 2)$$

$$SA = 502 \text{ cm}^2$$

$$V = 8 \times 13 \times 7$$

$$V = 728 \text{ cm}^3$$



$$L = 10 \text{ cm}$$

$$W = 12 \text{ cm}$$

$$H = 7 \text{ cm}$$

$$SA = (10 \times 12 \times 2) + (12 \times 7 \times 2) + (10 \times 7 \times 2)$$

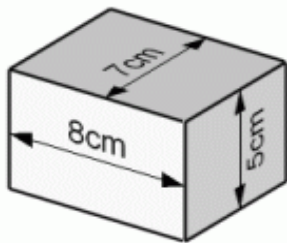
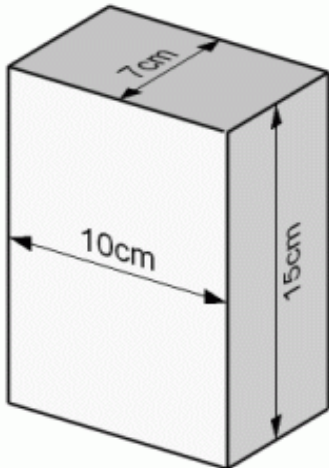
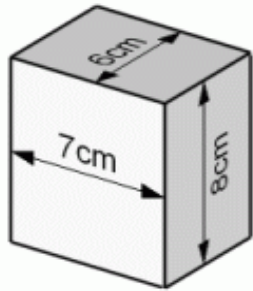
$$SA = 548 \text{ cm}^2$$

$$V = 10 \times 12 \times 7$$

$$V = 840 \text{ cm}^3$$

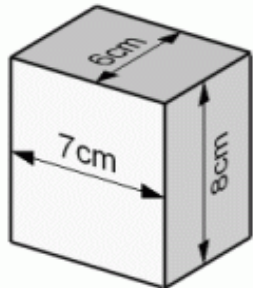
# Rectangular Prisms (I)

Instructions: Find the volume and surface area of the rectangular prisms.



# Rectangular Prisms (I) Answers

Instructions: Find the volume and surface area of the rectangular prisms.



$$L = 7 \text{ cm}$$

$$W = 6 \text{ cm}$$

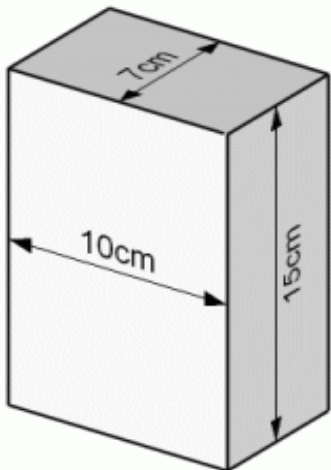
$$H = 8 \text{ cm}$$

$$SA = (7 \times 6 \times 2) + (6 \times 8 \times 2) + (7 \times 8 \times 2)$$

$$SA = 292 \text{ cm}^2$$

$$V = 7 \times 6 \times 8$$

$$V = 336 \text{ cm}^3$$



$$L = 10 \text{ cm}$$

$$W = 7 \text{ cm}$$

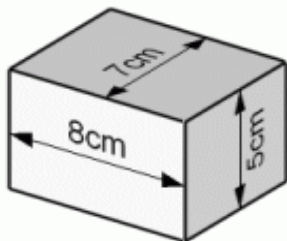
$$H = 15 \text{ cm}$$

$$SA = (10 \times 7 \times 2) + (7 \times 15 \times 2) + (10 \times 15 \times 2)$$

$$SA = 650 \text{ cm}^2$$

$$V = 10 \times 7 \times 15$$

$$V = 1050 \text{ cm}^3$$



$$L = 8 \text{ cm}$$

$$W = 7 \text{ cm}$$

$$H = 5 \text{ cm}$$

$$SA = (8 \times 7 \times 2) + (7 \times 5 \times 2) + (8 \times 5 \times 2)$$

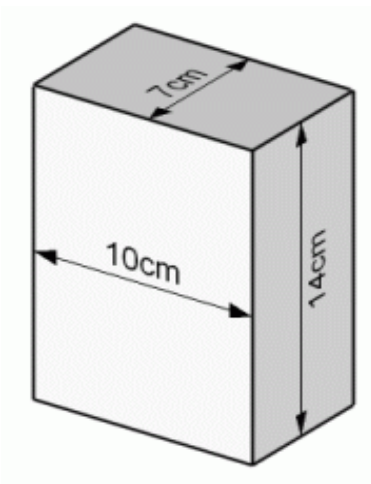
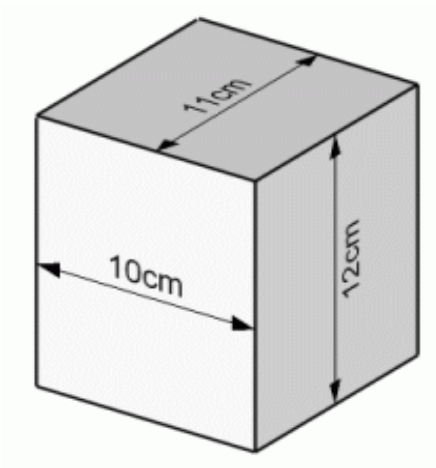
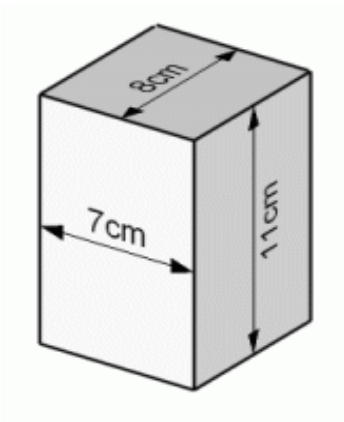
$$SA = 262 \text{ cm}^2$$

$$V = 8 \times 7 \times 5$$

$$V = 280 \text{ cm}^3$$

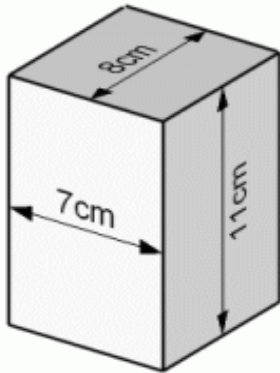
# Rectangular Prisms (J)

Instructions: Find the volume and surface area of the rectangular prisms.



# Rectangular Prisms (J) Answers

Instructions: Find the volume and surface area of the rectangular prisms.



$$L = 7 \text{ cm}$$

$$W = 8 \text{ cm}$$

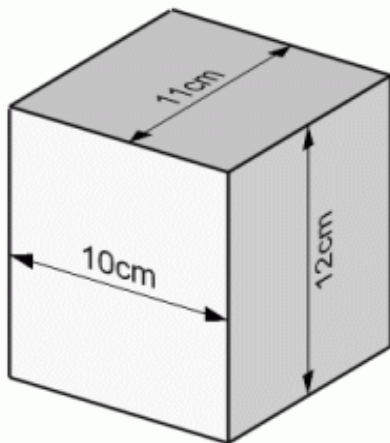
$$H = 11 \text{ cm}$$

$$SA = (7 \times 8 \times 2) + (8 \times 11 \times 2) + (7 \times 11 \times 2)$$

$$SA = 442 \text{ cm}^2$$

$$V = 7 \times 8 \times 11$$

$$V = 616 \text{ cm}^3$$



$$L = 10 \text{ cm}$$

$$W = 11 \text{ cm}$$

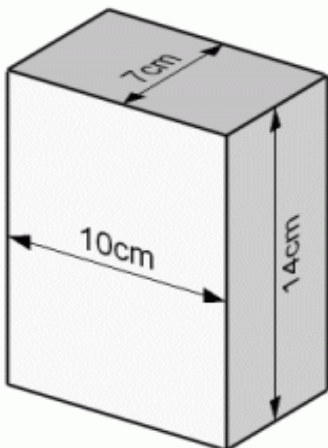
$$H = 12 \text{ cm}$$

$$SA = (10 \times 11 \times 2) + (11 \times 12 \times 2) + (10 \times 12 \times 2)$$

$$SA = 724 \text{ cm}^2$$

$$V = 10 \times 11 \times 12$$

$$V = 1320 \text{ cm}^3$$



$$L = 10 \text{ cm}$$

$$W = 7 \text{ cm}$$

$$H = 14 \text{ cm}$$

$$SA = (10 \times 7 \times 2) + (7 \times 14 \times 2) + (10 \times 14 \times 2)$$

$$SA = 616 \text{ cm}^2$$

$$V = 10 \times 7 \times 14$$

$$V = 980 \text{ cm}^3$$