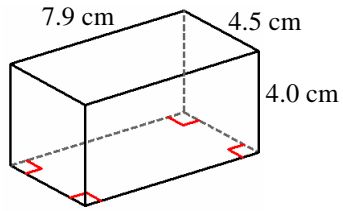


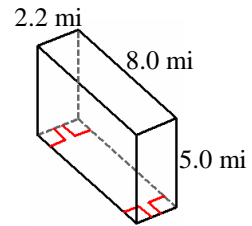
Volume and Surface Area of Rectangular Prisms (A)

Instructions: Find the volume and surface area for each rectangular prism.

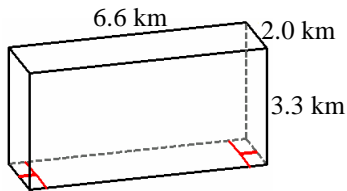
1)



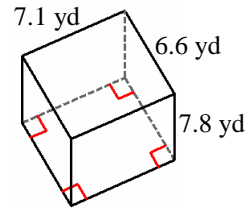
2)



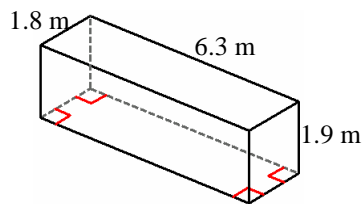
3)



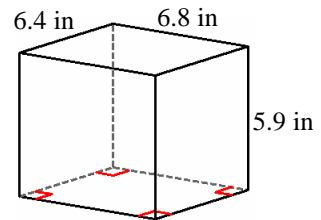
4)



5)



6)

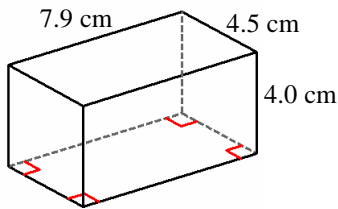


Volume and Surface Area of Rectangular Prisms Answer (A)

Instructions: Find the volume and surface area for each rectangular prism.

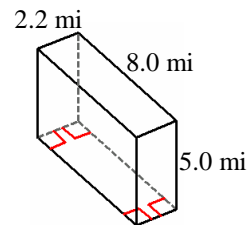
Formula: Volume (V) = lwh , Surface Area (A) = $2(lw+wh+lh)$

1)



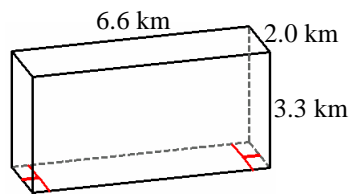
$$V = 7.9 \times 4.5 \times 4.0 = 142.2 \text{ cm}^3$$
$$A = 2 \times ((7.9 \times 4.5) + (4.5 \times 4.0) + (7.9 \times 4.0)) = 170.3 \text{ cm}^2$$

2)



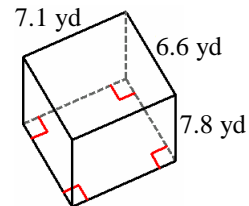
$$V = 8.0 \times 2.2 \times 5.0 = 88.0 \text{ mi}^3$$
$$A = 2 \times ((8.0 \times 2.2) + (2.2 \times 5.0) + (8.0 \times 5.0)) = 137.2 \text{ mi}^2$$

3)



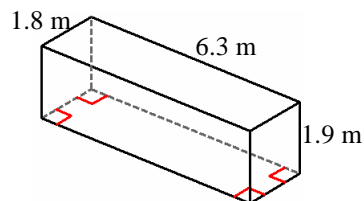
$$V = 6.6 \times 2.0 \times 3.3 = 43.6 \text{ km}^3$$
$$A = 2 \times ((6.6 \times 2.0) + (2.0 \times 3.3) + (6.6 \times 3.3)) = 83.2 \text{ km}^2$$

4)



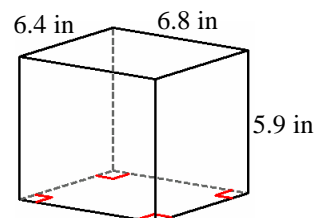
$$V = 7.1 \times 6.6 \times 7.8 = 365.5 \text{ yd}^3$$
$$A = 2 \times ((7.1 \times 6.6) + (6.6 \times 7.8) + (7.1 \times 7.8)) = 307.4 \text{ yd}^2$$

5)



$$V = 6.3 \times 1.8 \times 1.9 = 21.5 \text{ m}^3$$
$$A = 2 \times ((6.3 \times 1.8) + (1.8 \times 1.9) + (6.3 \times 1.9)) = 53.5 \text{ m}^2$$

6)

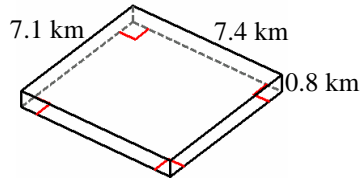


$$V = 6.8 \times 6.4 \times 5.9 = 260.6 \text{ in}^3$$
$$A = 2 \times ((6.8 \times 6.4) + (6.4 \times 5.9) + (6.8 \times 5.9)) = 242.8 \text{ in}^2$$

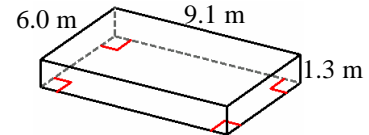
Volume and Surface Area of Rectangular Prisms (B)

Instructions: Find the volume and surface area for each rectangular prism.

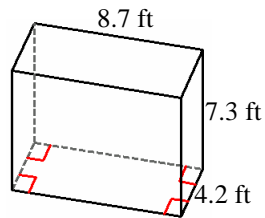
1)



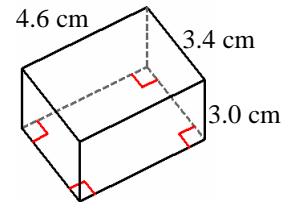
2)



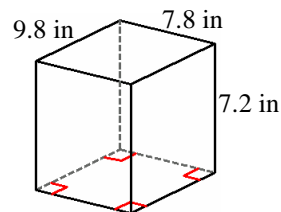
3)



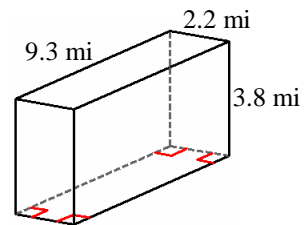
4)



5)



6)

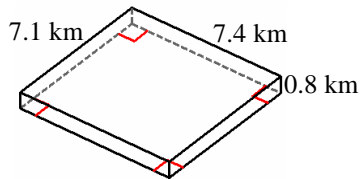


Volume and Surface Area of Rectangular Prisms Answer (B)

Instructions: Find the volume and surface area for each rectangular prism.

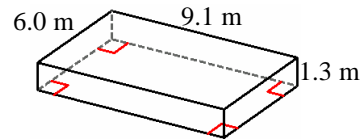
Formula: Volume (V) = lwh , Surface Area (A) = $2(lw+wh+lh)$

1)



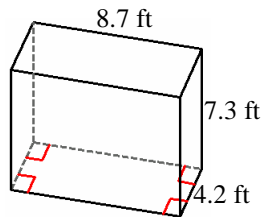
$$V = 7.4 \times 7.1 \times 0.8 = 42.0 \text{ km}^3$$
$$A = 2 \times ((7.4 \times 7.1) + (7.1 \times 0.8) + (7.4 \times 0.8)) = 128.3 \text{ km}^2$$

2)



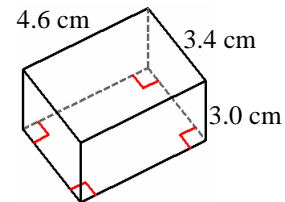
$$V = 9.1 \times 6.0 \times 1.3 = 71.0 \text{ m}^3$$
$$A = 2 \times ((9.1 \times 6.0) + (6.0 \times 1.3) + (9.1 \times 1.3)) = 148.5 \text{ m}^2$$

3)



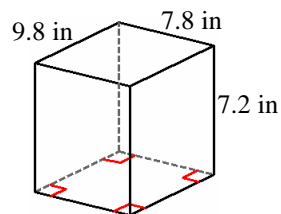
$$V = 8.7 \times 4.2 \times 7.3 = 266.7 \text{ ft}^3$$
$$A = 2 \times ((8.7 \times 4.2) + (4.2 \times 7.3) + (8.7 \times 7.3)) = 261.4 \text{ ft}^2$$

4)



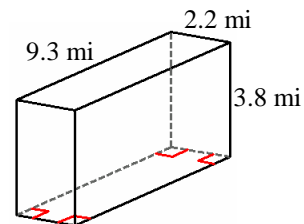
$$V = 4.6 \times 3.4 \times 3.0 = 46.9 \text{ cm}^3$$
$$A = 2 \times ((4.6 \times 3.4) + (3.4 \times 3.0) + (4.6 \times 3.0)) = 79.3 \text{ cm}^2$$

5)



$$V = 9.8 \times 7.8 \times 7.2 = 550.4 \text{ in}^3$$
$$A = 2 \times ((9.8 \times 7.8) + (7.8 \times 7.2) + (9.8 \times 7.2)) = 406.3 \text{ in}^2$$

6)

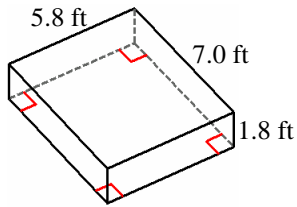


$$V = 9.3 \times 2.2 \times 3.8 = 77.7 \text{ mi}^3$$
$$A = 2 \times ((9.3 \times 2.2) + (2.2 \times 3.8) + (9.3 \times 3.8)) = 128.3 \text{ mi}^2$$

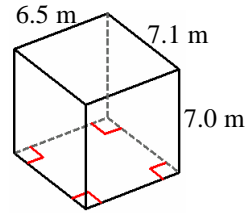
Volume and Surface Area of Rectangular Prisms (C)

Instructions: Find the volume and surface area for each rectangular prism.

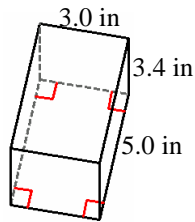
1)



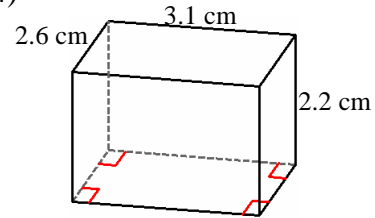
2)



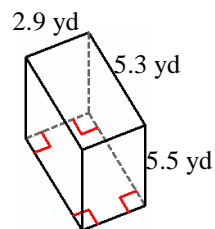
3)



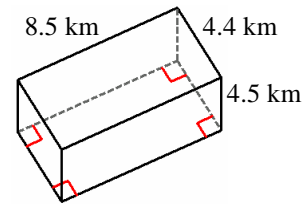
4)



5)



6)

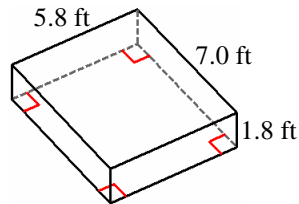


Volume and Surface Area of Rectangular Prisms Answer (C)

Instructions: Find the volume and surface area for each rectangular prism.

Formula: Volume (V) = lwh , Surface Area (A) = $2(lw+wh+lh)$

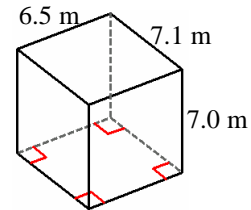
1)



$$V = 7.0 \times 5.8 \times 1.8 = 73.1 \text{ ft}^3$$

$$A = 2 \times ((7.0 \times 5.8) + (5.8 \times 1.8) + (7.0 \times 1.8)) = 127.3 \text{ ft}^2$$

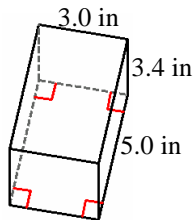
2)



$$V = 7.1 \times 6.5 \times 7.0 = 323.1 \text{ m}^3$$

$$A = 2 \times ((7.1 \times 6.5) + (6.5 \times 7.0) + (7.1 \times 7.0)) = 282.7 \text{ m}^2$$

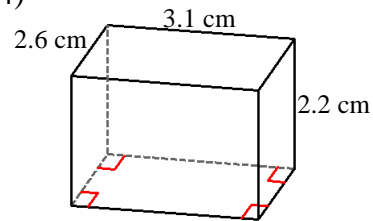
3)



$$V = 5.0 \times 3.0 \times 3.4 = 51.0 \text{ in}^3$$

$$A = 2 \times ((5.0 \times 3.0) + (3.0 \times 3.4) + (5.0 \times 3.4)) = 84.4 \text{ in}^2$$

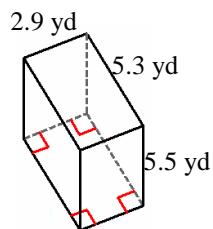
4)



$$V = 3.1 \times 2.6 \times 2.2 = 17.7 \text{ cm}^3$$

$$A = 2 \times ((3.1 \times 2.6) + (2.6 \times 2.2) + (3.1 \times 2.2)) = 41.2 \text{ cm}^2$$

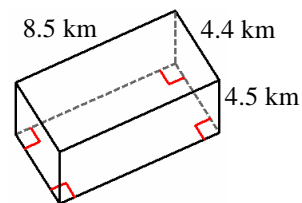
5)



$$V = 5.3 \times 2.9 \times 5.5 = 84.5 \text{ yd}^3$$

$$A = 2 \times ((5.3 \times 2.9) + (2.9 \times 5.5) + (5.3 \times 5.5)) = 120.9 \text{ yd}^2$$

6)



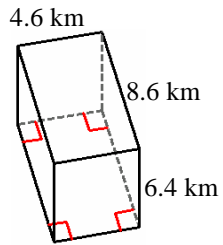
$$V = 8.5 \times 4.4 \times 4.5 = 205.7 \text{ km}^3$$

$$A = 2 \times ((8.5 \times 4.4) + (4.4 \times 4.5) + (8.5 \times 4.5)) = 216.7 \text{ km}^2$$

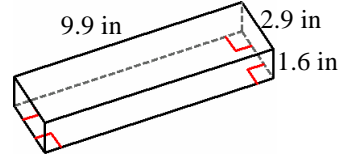
Volume and Surface Area of Rectangular Prisms (D)

Instructions: Find the volume and surface area for each rectangular prism.

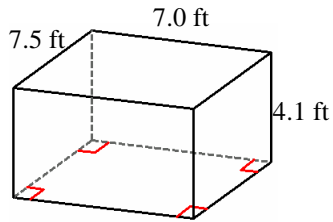
1)



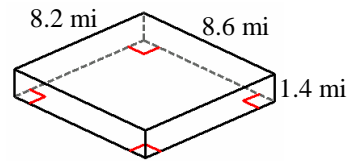
2)



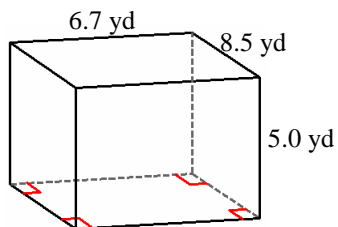
3)



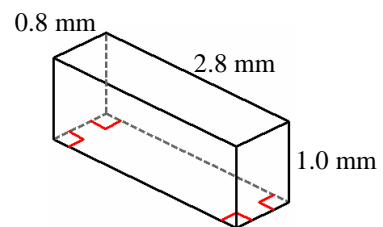
4)



5)



6)

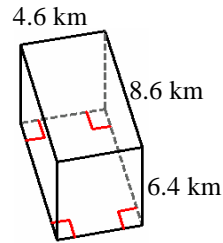


Volume and Surface Area of Rectangular Prisms Answer (D)

Instructions: Find the volume and surface area for each rectangular prism.

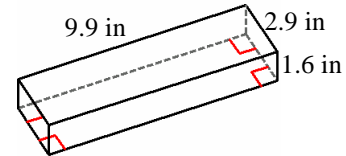
Formula: Volume (V) = lwh , Surface Area (A) = $2(lw+wh+lh)$

1)



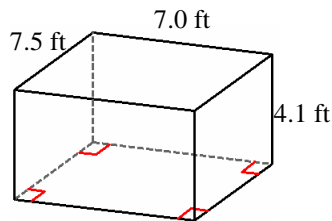
$$V = 8.6 \times 4.6 \times 6.4 = 253.2 \text{ km}^3$$
$$A = 2 \times ((8.6 \times 4.6) + (4.6 \times 6.4) + (8.6 \times 6.4)) = 248.1 \text{ km}^2$$

2)



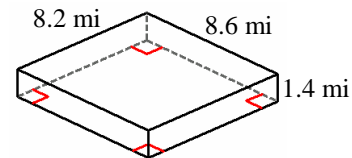
$$V = 9.9 \times 2.9 \times 1.6 = 45.9 \text{ in}^3$$
$$A = 2 \times ((9.9 \times 2.9) + (2.9 \times 1.6) + (9.9 \times 1.6)) = 98.4 \text{ in}^2$$

3)



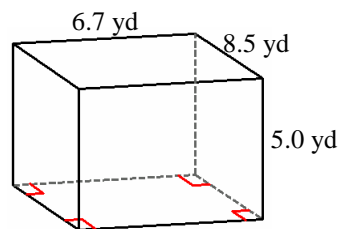
$$V = 7.5 \times 7.0 \times 4.1 = 215.3 \text{ ft}^3$$
$$A = 2 \times ((7.5 \times 7.0) + (7.0 \times 4.1) + (7.5 \times 4.1)) = 223.9 \text{ ft}^2$$

4)



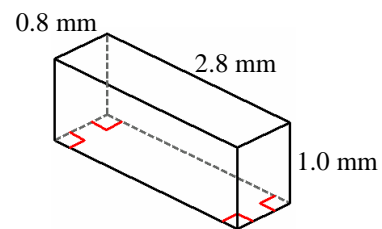
$$V = 8.6 \times 8.2 \times 1.4 = 98.7 \text{ mi}^3$$
$$A = 2 \times ((8.6 \times 8.2) + (8.2 \times 1.4) + (8.6 \times 1.4)) = 188.1 \text{ mi}^2$$

5)



$$V = 6.7 \times 8.5 \times 5.0 = 284.8 \text{ yd}^3$$
$$A = 2 \times ((6.7 \times 8.5) + (8.5 \times 5.0) + (6.7 \times 5.0)) = 265.9 \text{ yd}^2$$

6)

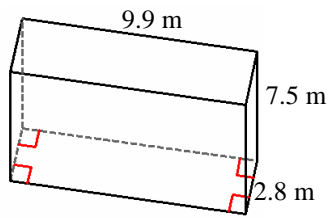


$$V = 2.8 \times 0.8 \times 1.0 = 2.2 \text{ mm}^3$$
$$A = 2 \times ((2.8 \times 0.8) + (0.8 \times 1.0) + (2.8 \times 1.0)) = 11.7 \text{ mm}^2$$

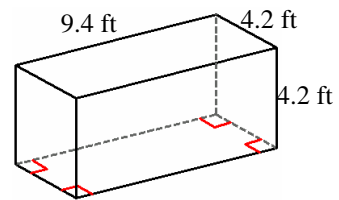
Volume and Surface Area of Rectangular Prisms (E)

Instructions: Find the volume and surface area for each rectangular prism.

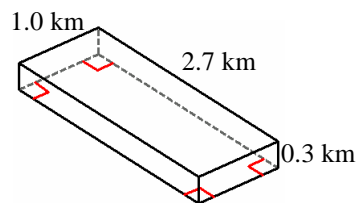
1)



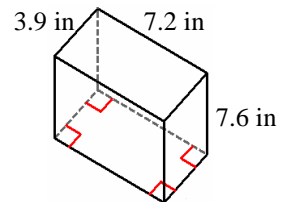
2)



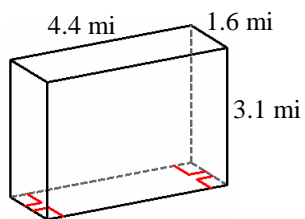
3)



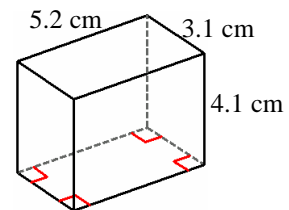
4)



5)



6)

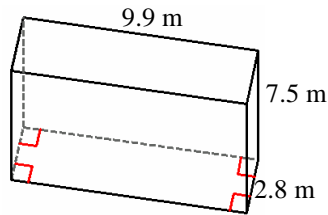


Volume and Surface Area of Rectangular Prisms Answer (E)

Instructions: Find the volume and surface area for each rectangular prism.

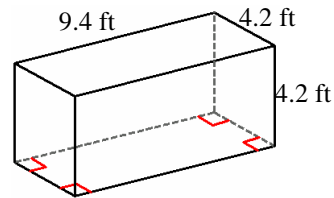
Formula: Volume (V) = lwh , Surface Area (A) = $2(lw+wh+lh)$

1)



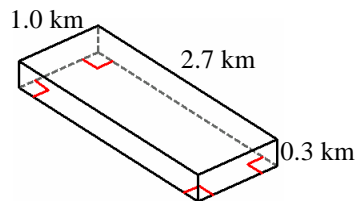
$$V = 9.9 \times 2.8 \times 7.5 = 207.9 \text{ m}^3$$
$$A = 2 \times ((9.9 \times 2.8) + (2.8 \times 7.5) + (9.9 \times 7.5)) = 245.9 \text{ m}^2$$

2)



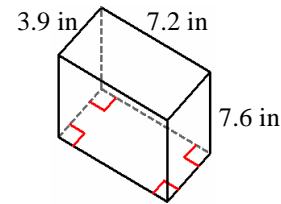
$$V = 9.4 \times 4.2 \times 4.2 = 165.8 \text{ ft}^3$$
$$A = 2 \times ((9.4 \times 4.2) + (4.2 \times 4.2) + (9.4 \times 4.2)) = 193.2 \text{ ft}^2$$

3)



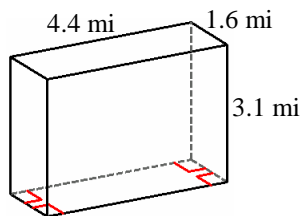
$$V = 2.7 \times 1.0 \times 0.3 = 0.8 \text{ km}^3$$
$$A = 2 \times ((2.7 \times 1.0) + (1.0 \times 0.3) + (2.7 \times 0.3)) = 7.6 \text{ km}^2$$

4)



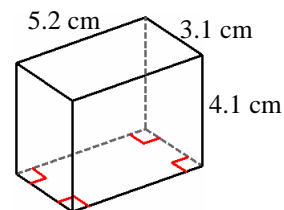
$$V = 7.2 \times 3.9 \times 7.6 = 213.4 \text{ in}^3$$
$$A = 2 \times ((7.2 \times 3.9) + (3.9 \times 7.6) + (7.2 \times 7.6)) = 224.9 \text{ in}^2$$

5)



$$V = 4.4 \times 1.6 \times 3.1 = 21.8 \text{ mi}^3$$
$$A = 2 \times ((4.4 \times 1.6) + (1.6 \times 3.1) + (4.4 \times 3.1)) = 51.3 \text{ mi}^2$$

6)

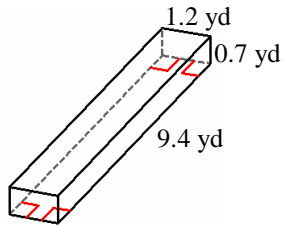


$$V = 5.2 \times 3.1 \times 4.1 = 66.1 \text{ cm}^3$$
$$A = 2 \times ((5.2 \times 3.1) + (3.1 \times 4.1) + (5.2 \times 4.1)) = 100.3 \text{ cm}^2$$

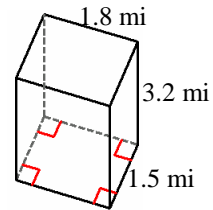
Volume and Surface Area of Rectangular Prisms (F)

Instructions: Find the volume and surface area for each rectangular prism.

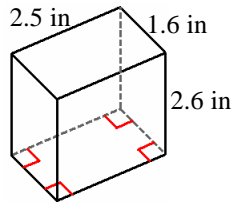
1)



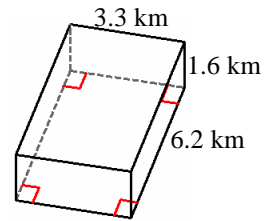
2)



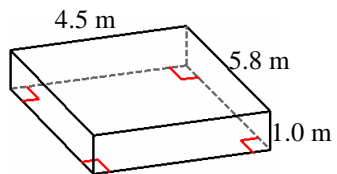
3)



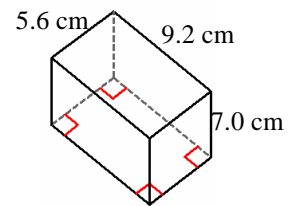
4)



5)



6)

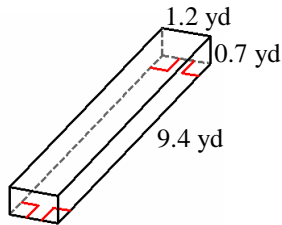


Volume and Surface Area of Rectangular Prisms Answer (F)

Instructions: Find the volume and surface area for each rectangular prism.

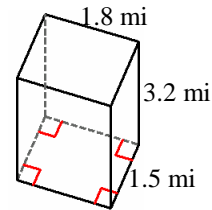
Formula: Volume (V) = lwh , Surface Area (A) = $2(lw+wh+lh)$

1)



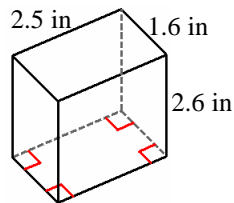
$$V = 9.4 \times 1.2 \times 0.7 = 7.9 \text{ yd}^3$$
$$A = 2 \times ((9.4 \times 1.2) + (1.2 \times 0.7) + (9.4 \times 0.7)) = 37.4 \text{ yd}^2$$

2)



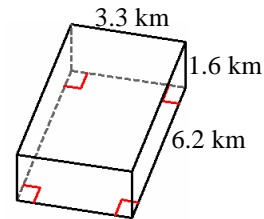
$$V = 1.8 \times 1.5 \times 3.2 = 8.6 \text{ mi}^3$$
$$A = 2 \times ((1.8 \times 1.5) + (1.5 \times 3.2) + (1.8 \times 3.2)) = 26.5 \text{ mi}^2$$

3)



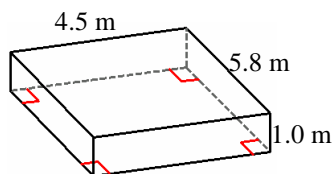
$$V = 2.5 \times 1.6 \times 2.6 = 10.4 \text{ in}^3$$
$$A = 2 \times ((2.5 \times 1.6) + (1.6 \times 2.6) + (2.5 \times 2.6)) = 29.3 \text{ in}^2$$

4)



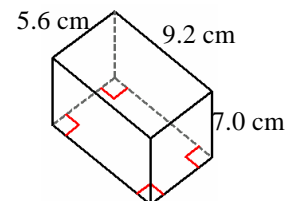
$$V = 3.3 \times 6.2 \times 1.6 = 32.7 \text{ km}^3$$
$$A = 2 \times ((3.3 \times 6.2) + (6.2 \times 1.6) + (3.3 \times 1.6)) = 71.3 \text{ km}^2$$

5)



$$V = 5.8 \times 4.5 \times 1.0 = 26.1 \text{ m}^3$$
$$A = 2 \times ((5.8 \times 4.5) + (4.5 \times 1.0) + (5.8 \times 1.0)) = 72.8 \text{ m}^2$$

6)

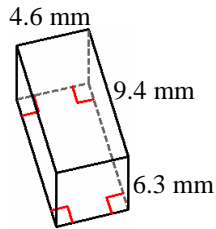


$$V = 5.6 \times 9.2 \times 7.0 = 360.6 \text{ cm}^3$$
$$A = 2 \times ((5.6 \times 9.2) + (9.2 \times 7.0) + (5.6 \times 7.0)) = 310.2 \text{ cm}^2$$

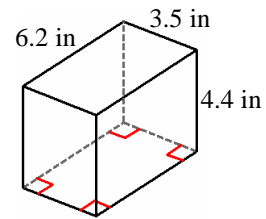
Volume and Surface Area of Rectangular Prisms (G)

Instructions: Find the volume and surface area for each rectangular prism.

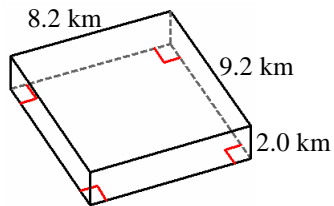
1)



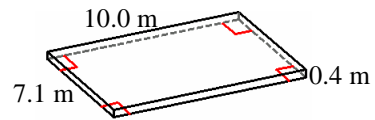
2)



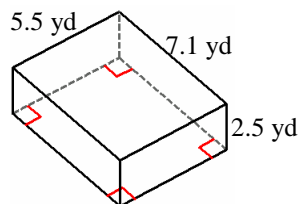
3)



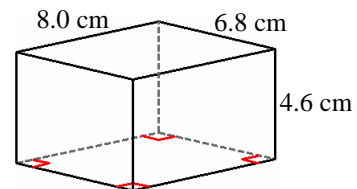
4)



5)



6)

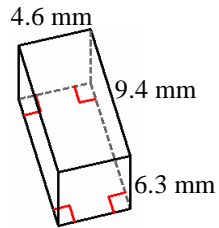


Volume and Surface Area of Rectangular Prisms Answer (G)

Instructions: Find the volume and surface area for each rectangular prism.

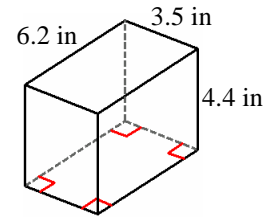
Formula: Volume (V) = lwh , Surface Area (A) = $2(lw+wh+lh)$

1)



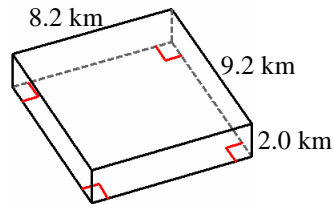
$$V = 9.4 \times 4.6 \times 6.3 = 272.4 \text{ mm}^3$$
$$A = 2 \times ((9.4 \times 4.6) + (4.6 \times 6.3) + (9.4 \times 6.3)) = 262.9 \text{ mm}^2$$

2)



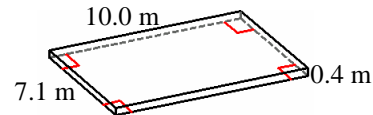
$$V = 6.2 \times 3.5 \times 4.4 = 95.5 \text{ in}^3$$
$$A = 2 \times ((6.2 \times 3.5) + (3.5 \times 4.4) + (6.2 \times 4.4)) = 128.8 \text{ in}^2$$

3)



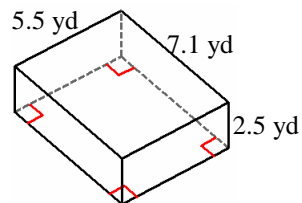
$$V = 9.2 \times 8.2 \times 2.0 = 150.9 \text{ km}^3$$
$$A = 2 \times ((9.2 \times 8.2) + (8.2 \times 2.0) + (9.2 \times 2.0)) = 220.5 \text{ km}^2$$

4)



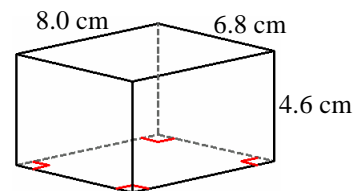
$$V = 10.0 \times 7.1 \times 0.4 = 28.4 \text{ m}^3$$
$$A = 2 \times ((10.0 \times 7.1) + (7.1 \times 0.4) + (10.0 \times 0.4)) = 155.7 \text{ m}^2$$

5)



$$V = 7.1 \times 5.5 \times 2.5 = 97.6 \text{ yd}^3$$
$$A = 2 \times ((7.1 \times 5.5) + (5.5 \times 2.5) + (7.1 \times 2.5)) = 141.1 \text{ yd}^2$$

6)

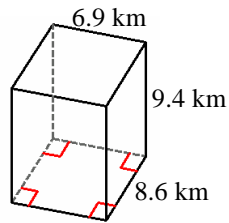


$$V = 8.0 \times 6.8 \times 4.6 = 250.2 \text{ cm}^3$$
$$A = 2 \times ((8.0 \times 6.8) + (6.8 \times 4.6) + (8.0 \times 4.6)) = 245.0 \text{ cm}^2$$

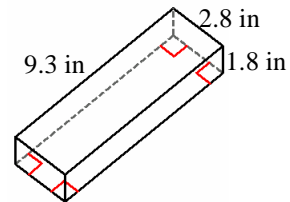
Volume and Surface Area of Rectangular Prisms (H)

Instructions: Find the volume and surface area for each rectangular prism.

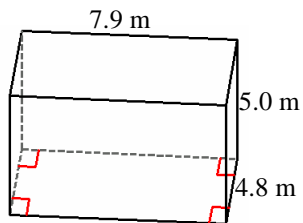
1)



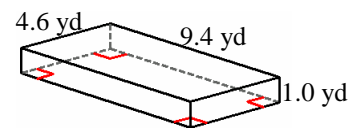
2)



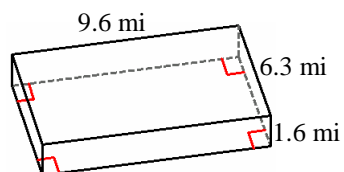
3)



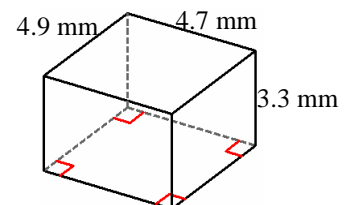
4)



5)



6)

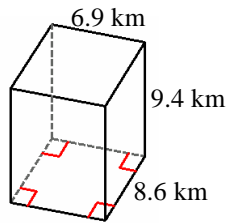


Volume and Surface Area of Rectangular Prisms Answer (H)

Instructions: Find the volume and surface area for each rectangular prism.

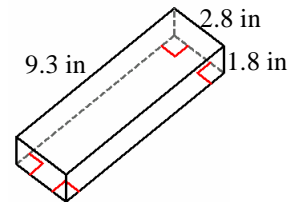
Formula: Volume (V) = lwh , Surface Area (A) = $2(lw+wh+lh)$

1)



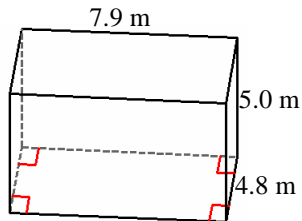
$$V = 8.6 \times 6.9 \times 9.4 = 557.8 \text{ km}^3$$
$$A = 2 \times ((8.6 \times 6.9) + (6.9 \times 9.4) + (8.6 \times 9.4)) = 410.1 \text{ km}^2$$

2)



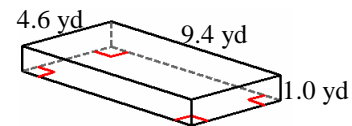
$$V = 9.3 \times 2.8 \times 1.8 = 46.9 \text{ in}^3$$
$$A = 2 \times ((9.3 \times 2.8) + (2.8 \times 1.8) + (9.3 \times 1.8)) = 95.6 \text{ in}^2$$

3)



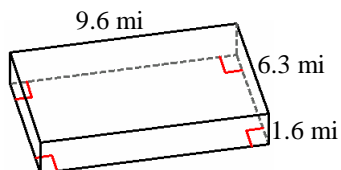
$$V = 7.9 \times 4.8 \times 5.0 = 189.6 \text{ m}^3$$
$$A = 2 \times ((7.9 \times 4.8) + (4.8 \times 5.0) + (7.9 \times 5.0)) = 202.8 \text{ m}^2$$

4)



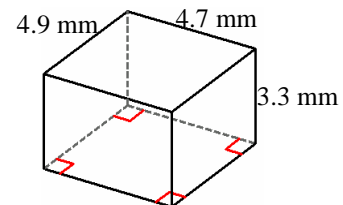
$$V = 9.4 \times 4.6 \times 1.0 = 43.2 \text{ yd}^3$$
$$A = 2 \times ((9.4 \times 4.6) + (4.6 \times 1.0) + (9.4 \times 1.0)) = 114.5 \text{ yd}^2$$

5)



$$V = 9.6 \times 6.3 \times 1.6 = 96.8 \text{ mi}^3$$
$$A = 2 \times ((9.6 \times 6.3) + (6.3 \times 1.6) + (9.6 \times 1.6)) = 171.8 \text{ mi}^2$$

6)

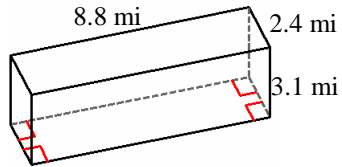


$$V = 4.9 \times 4.7 \times 3.3 = 76.0 \text{ mm}^3$$
$$A = 2 \times ((4.9 \times 4.7) + (4.7 \times 3.3) + (4.9 \times 3.3)) = 109.4 \text{ mm}^2$$

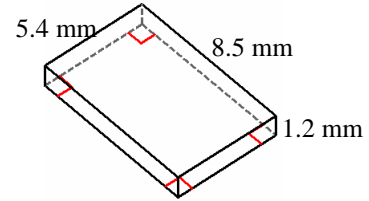
Volume and Surface Area of Rectangular Prisms (I)

Instructions: Find the volume and surface area for each rectangular prism.

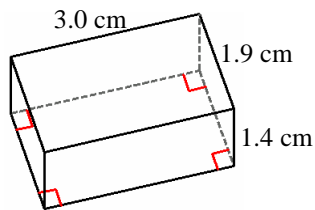
1)



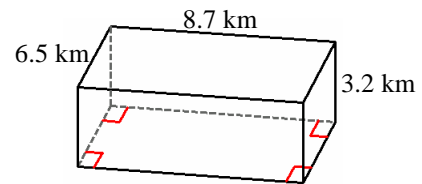
2)



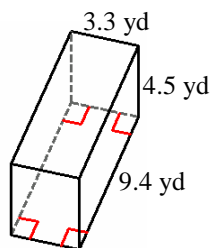
3)



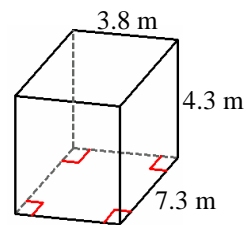
4)



5)



6)

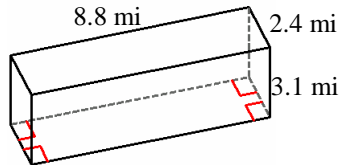


Volume and Surface Area of Rectangular Prisms Answer (I)

Instructions: Find the volume and surface area for each rectangular prism.

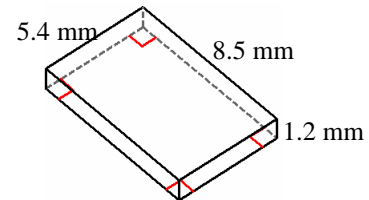
Formula: Volume (V) = lwh , Surface Area (A) = $2(lw+wh+lh)$

1)



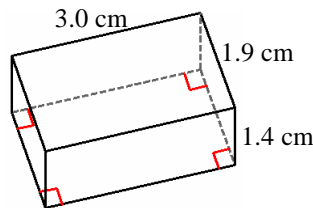
$$V = 8.8 \times 2.4 \times 3.1 = 65.5 \text{ mi}^3$$
$$A = 2 \times ((8.8 \times 2.4) + (2.4 \times 3.1) + (8.8 \times 3.1)) = 111.7 \text{ mi}^2$$

2)



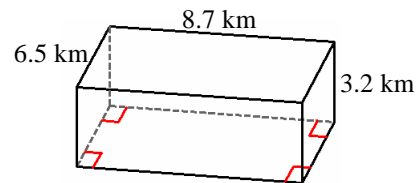
$$V = 8.5 \times 5.4 \times 1.2 = 55.1 \text{ mm}^3$$
$$A = 2 \times ((8.5 \times 5.4) + (5.4 \times 1.2) + (8.5 \times 1.2)) = 125.2 \text{ mm}^2$$

3)



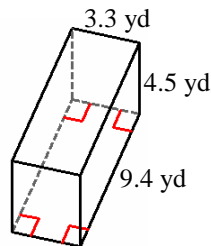
$$V = 3.0 \times 1.9 \times 1.4 = 8.0 \text{ cm}^3$$
$$A = 2 \times ((3.0 \times 1.9) + (1.9 \times 1.4) + (3.0 \times 1.4)) = 25.1 \text{ cm}^2$$

4)



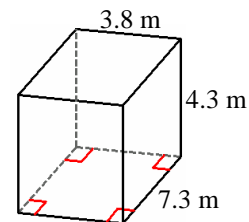
$$V = 8.7 \times 6.5 \times 3.2 = 181.0 \text{ km}^3$$
$$A = 2 \times ((8.7 \times 6.5) + (6.5 \times 3.2) + (8.7 \times 3.2)) = 210.4 \text{ km}^2$$

5)



$$V = 9.4 \times 3.3 \times 4.5 = 139.6 \text{ yd}^3$$
$$A = 2 \times ((9.4 \times 3.3) + (3.3 \times 4.5) + (9.4 \times 4.5)) = 176.3 \text{ yd}^2$$

6)

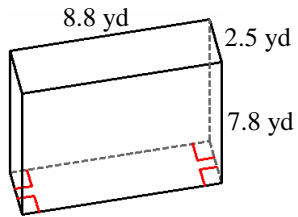


$$V = 7.3 \times 3.8 \times 4.3 = 119.3 \text{ m}^3$$
$$A = 2 \times ((7.3 \times 3.8) + (3.8 \times 4.3) + (7.3 \times 4.3)) = 150.9 \text{ m}^2$$

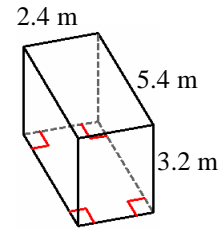
Volume and Surface Area of Rectangular Prisms (J)

Instructions: Find the volume and surface area for each rectangular prism.

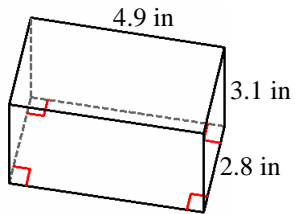
1)



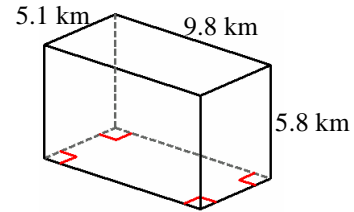
2)



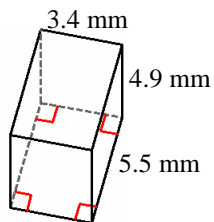
3)



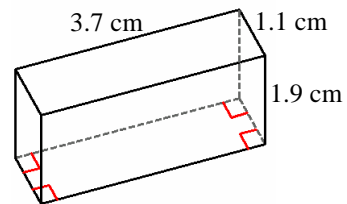
4)



5)



6)

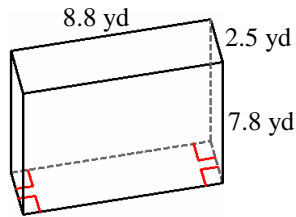


Volume and Surface Area of Rectangular Prisms Answer (J)

Instructions: Find the volume and surface area for each rectangular prism.

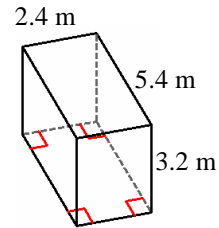
Formula: Volume (V) = lwh , Surface Area (A) = $2(lw+wh+lh)$

1)



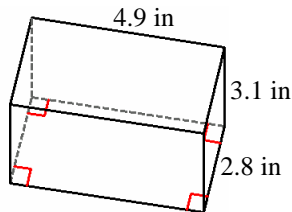
$$V = 8.8 \times 2.5 \times 7.8 = 171.6 \text{ yd}^3$$
$$A = 2 \times ((8.8 \times 2.5) + (2.5 \times 7.8) + (8.8 \times 7.8)) = 220.3 \text{ yd}^2$$

2)



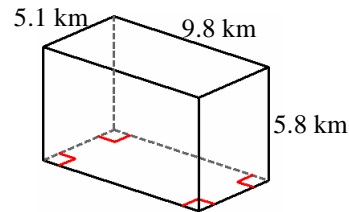
$$V = 5.4 \times 2.4 \times 3.2 = 41.5 \text{ m}^3$$
$$A = 2 \times ((5.4 \times 2.4) + (2.4 \times 3.2) + (5.4 \times 3.2)) = 75.8 \text{ m}^2$$

3)



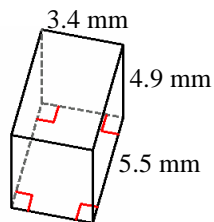
$$V = 4.9 \times 2.8 \times 3.1 = 42.5 \text{ in}^3$$
$$A = 2 \times ((4.9 \times 2.8) + (2.8 \times 3.1) + (4.9 \times 3.1)) = 75.2 \text{ in}^2$$

4)



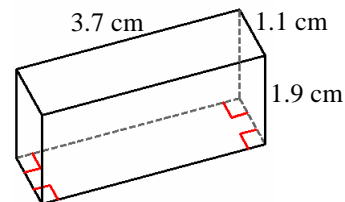
$$V = 9.8 \times 5.1 \times 5.8 = 289.9 \text{ km}^3$$
$$A = 2 \times ((9.8 \times 5.1) + (5.1 \times 5.8) + (9.8 \times 5.8)) = 272.8 \text{ km}^2$$

5)



$$V = 5.5 \times 3.4 \times 4.9 = 91.6 \text{ mm}^3$$
$$A = 2 \times ((5.5 \times 3.4) + (3.4 \times 4.9) + (5.5 \times 4.9)) = 124.6 \text{ mm}^2$$

6)



$$V = 3.7 \times 1.1 \times 1.9 = 7.7 \text{ cm}^3$$
$$A = 2 \times ((3.7 \times 1.1) + (1.1 \times 1.9) + (3.7 \times 1.9)) = 26.4 \text{ cm}^2$$