Surface Area - Rectangular Prism

Find the surface area of each rectangular prism.
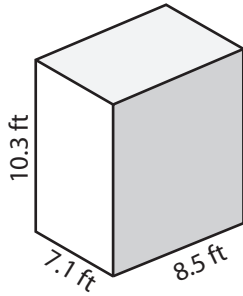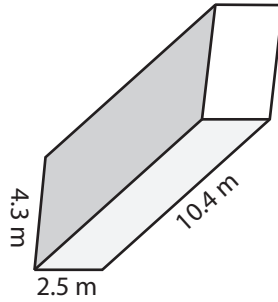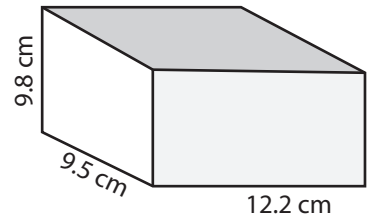
1)

10.3 ft
7.1 ft
8.5 ft

Surface Area = _____

2)

4.3 m
10.4 m
2.5 m

Surface Area = _____

3)

9.8 cm
9.5 cm
12.2 cm

Surface Area = _____

4)

6.5 ft
11.5 ft
2 ft

Surface Area = _____

5)

5.1 cm
12.9 cm
7.2 cm

Surface Area = _____

6)

10.4 m
7.2 m
6.5 m

Surface Area = _____

7)

8.2 in
10.1 in
12.4 in

Surface Area = _____

8)

4.6 in
7.5 in
2.5 in

Surface Area = _____

9)

15.1 mm
13.5 mm
5.5 mm
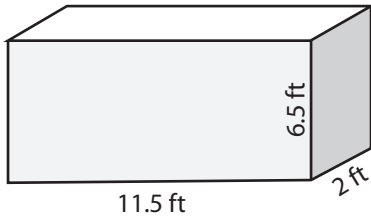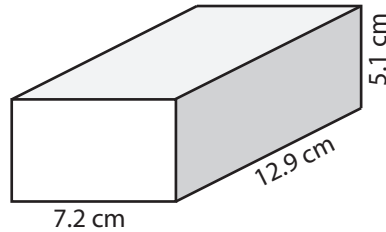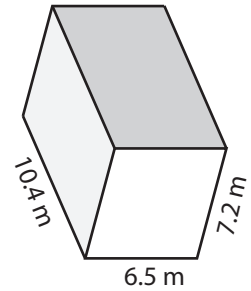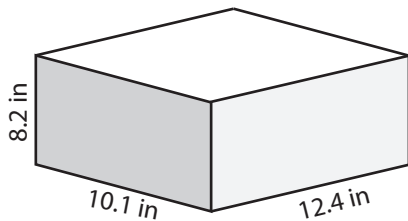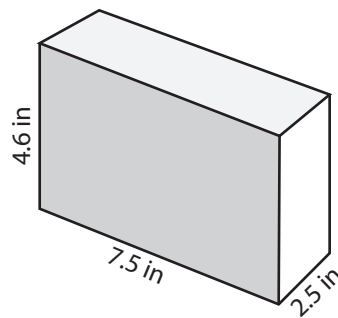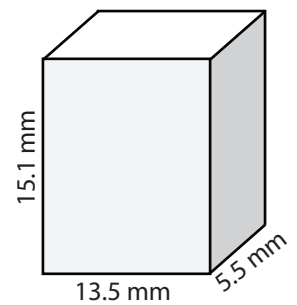
Surface Area = _____

10) The length, width and height of the wooden box are 12.3 inches, 6.4 inches and 7.5 inches respectively. The cost of painting the box is $0.25 per square inches. Find the total cost of painting the box.
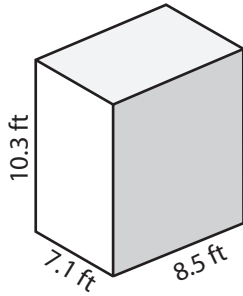
Surface Area = _____

Answer Key

Find the surface area of each rectangular prism.

1)

10.3 ft

7.1 ft   8.5 ft

Surface Area = **442.06 ft²**

2)

4.3 m   10.4 m

2.5 m
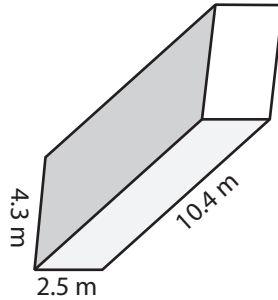
Surface Area = **162.94 m²**

3)

9.8 cm

9.5 cm

12.2 cm
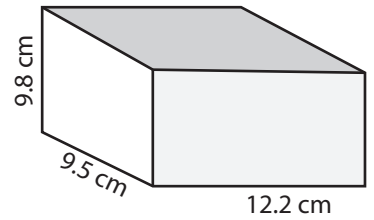
Surface Area = **657.12 cm²**

4)

6.5 ft

11.5 ft   2 ft
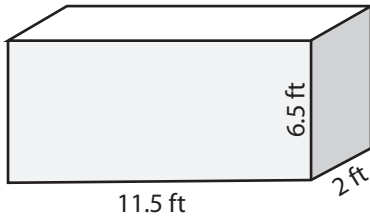
Surface Area = **221.5 ft²**

5)

5.1 cm

12.9 cm

7.2 cm
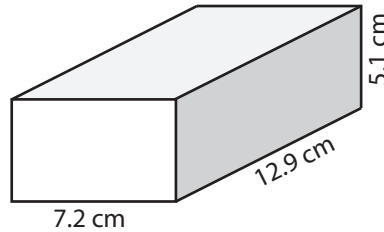
Surface Area = **390.78 cm²**

6)

10.4 m   7.2 m

6.5 m
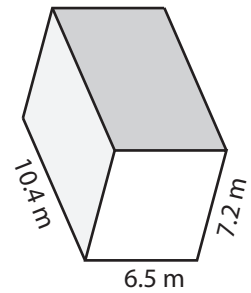
Surface Area = **378.56 m²**

7)

8.2 in

10.1 in   12.4 in
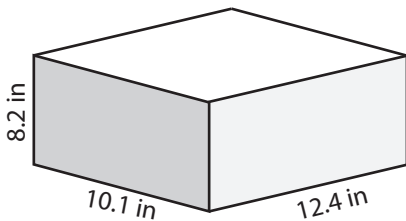
Surface Area = **619.48 in²**

8)

4.6 in

7.5 in   2.5 in
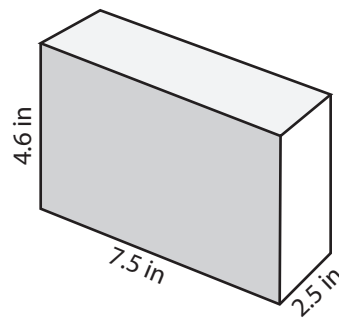
Surface Area = **129.5 in²**

9)

15.1 mm

13.5 mm   5.5 mm
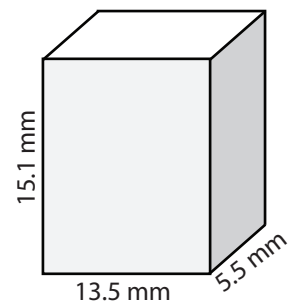
Surface Area = **722.3 mm²**

10) The length, width and height of the wooden box are 12.3 inches, 6.4 inches and 7.5 inches respectively. The cost of painting the box is $0.25 per square inches. Find the total cost of painting the box.

Surface Area = **$109.485**