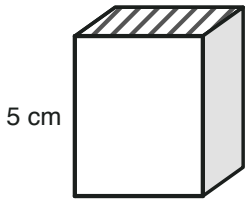
Volume: Base Area × Height

Name: _____

Another way to find volume: **area of the base × height**. The base of each prism is shaded on top, because the top is the same size as the base.

1.

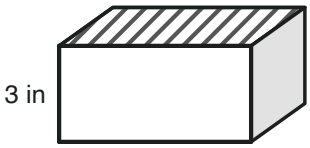


Area of base = 12 sq cm

_____ × _____

Volume = _____ cubic cm

2.

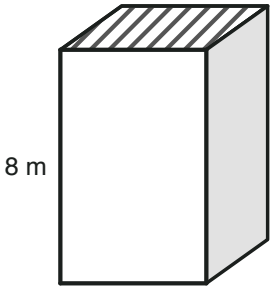


Area of base = 24 sq in

_____ × _____

Volume = _____ cubic in

3.

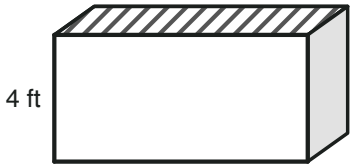


Area of base = 25 sq m

_____ × _____

Volume = _____ cubic m

4.

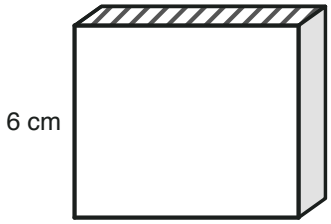


Area of base = 24 sq ft

_____ × _____

Volume = _____ cubic ft

5.

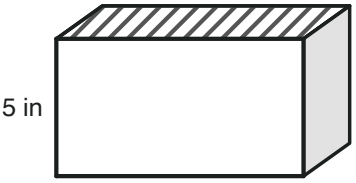


Area of base = 14 sq cm

_____ × _____

Volume = _____ cubic cm

6.

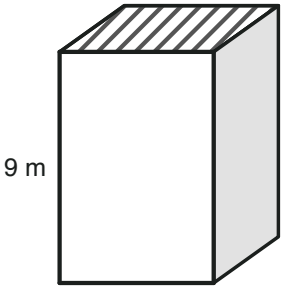


Area of base = 36 sq in

_____ × _____

Volume = _____ cubic in

7.

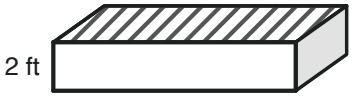


Area of base = 36 sq m

_____ × _____

Volume = _____ cubic m

8.

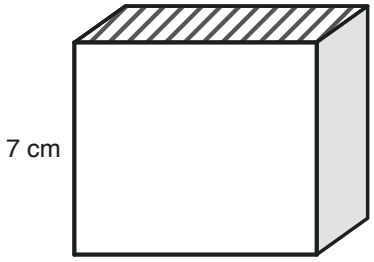


Area of base = 50 sq ft

_____ × _____

Volume = _____ cubic ft

9.



Area of base = 32 sq cm

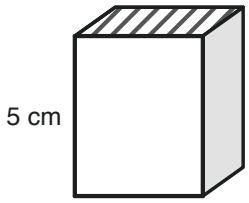
_____ × _____

Volume = _____ cubic cm

Volume: Base Area × Height (Answer Key)

Another way to find volume: **area of the base × height**. The base of each prism is shaded on top, because the top is the same size as the base.

1.

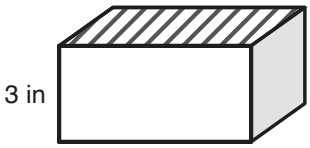


Area of base = 12 sq cm

12 × **5**

Volume = **60** cubic cm

2.

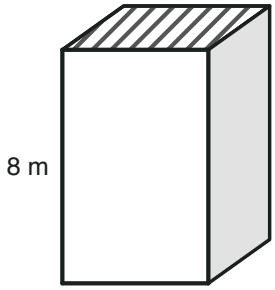


Area of base = 24 sq in

24 × **3**

Volume = **72** cubic in

3.

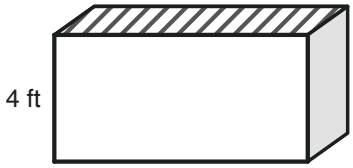


Area of base = 25 sq m

25 × **8**

Volume = **200** cubic m

4.

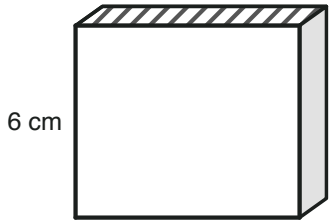


Area of base = 24 sq ft

24 × **4**

Volume = **96** cubic ft

5.

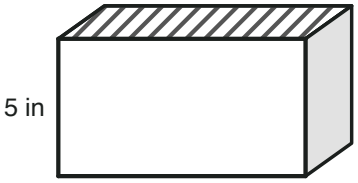


Area of base = 14 sq cm

14 × **6**

Volume = **84** cubic cm

6.

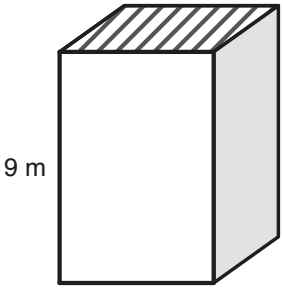


Area of base = 36 sq in

36 × **5**

Volume = **180** cubic in

7.

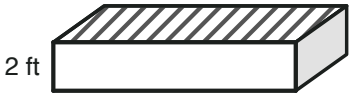


Area of base = 36 sq m

36 × **9**

Volume = **324** cubic m

8.

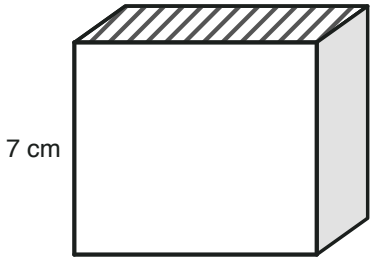


Area of base = 50 sq ft

50 × **2**

Volume = **100** cubic ft

9.



Area of base = 32 sq cm

32 × **7**

Volume = **224** cubic cm