Distinguishing between surface area and volume: Worksheet 4.2

Name Score	
1.	A rectangular prism has a width of 6 cm, a height of 10 cm and a depth of 7 cm What is the surface area of the prism?
2.	A cube has depth of 8 m. What is the volume of the cube?
3.	A cube has height of 9 cm. What is the surface area of the cube?
4.	A rectangular prism has a width of 6 cm, a height of 8 cm and a depth of 10 cm What is the volume of the prism?
5.	A rectangular prism has a width of 5 cm, a height of 7 cm and a depth of 4 cm. What is the surface area of the prism?
6.	A cube has height of 6 mm. What is the volume of the cube?
7.	What is the surface area of a figure that is 8 inches wide, 9 inches tall and 5 inches long?
8.	A rectangular prism has a width of 5 cm, a height of 9 cm and a depth of 4 cm. What is the volume of the prism?
9.	What is the surface area of a figure that is 3 inches wide, 7 inches tall and 4 inches long?
10.	What is the volume of a figure that is 5 inches wide, 4 inches tall and 8 inches long?



Solutions: Worksheet 4.2

- 1. Surface area = 344 square cm
- 2. Volume = 512 cubic m
- 3. Surface area = 486 square cm
- 4. Volume = 480 cubic cm
- 5. Surface area = 166 square cm
- 6. Volume = 216 cubic mm
- 7. Surface area = 314 square inches
- 8. Volume = 180 cubic cm
- 9. Surface area = 122 square inches
- 10. Volume = 160 cubic inches