

# Distinguishing between surface area and volume: Worksheet 4.1

Name ..... Date ..... Score .....

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



## Solutions: Worksheet 4.1

1. Surface area = 310 square cm
2. Volume = 27 cubic m
3. Surface area = 294 square cm
4. Volume = 400 cubic cm
5. Surface area = 94 square cm
6. Volume = 64 cubic mm
7. Surface area = 258 square inches
8. Volume = 108 cubic cm
9. Surface area = 108 square inches
10. Volume = 120 cubic inches

