Name: _____ Date _____

Topic: Volume of Solids- Worksheet 1

Do the following:

1. **Find the surface area of a wooden box whose shape is of a cube if the edge of the box is 4 cm.**
2. **The diameter of an iron sphere is 6 cm. It is beaten and drawn into a wire of diameter 4 mm. Find the length of the wire.**
3. **Hundred metal spheres of radius 5 cm each melted and this melted solution is filled in Cube with base area 12 cm × 8 cm. Find the height of Cube filled with solution.**
4. **What is the volume of a regular cylinder whose base has radius of 16 cm and has height of 8 cm?**
5. **A cubical box has dimensions 5in × 2in × 6in. How many cubes dimension 4 in x 4 in x 6 in can be fixed in cubical box?**
6. **Milk is sold in aluminum cans that measure 12 inches in height and 8 inches in diameter. How many cubic inches of milk are contained in a full can?**
7. **A cubical box has dimensions 7in × 6in × 4in. How many cubes dimension 6 in x 6 in x 6 in can be fixed in cubical box?**
8. **The diameter of an iron sphere is 8 cm. It is beaten and drawn into a wire of diameter 6 cm. Find the length of the wire.**
9. **A cylindrical glass is 16 cm deep and 6 cm wide. How much liquid can the glass hold?**
10. **A glass is 18 cm deep and 12 cm wide. How much liquid can the glass hold?**

Name: _____ Date _____

Topic: Volume of Solids- Worksheet 2

Do the following:

1. **Find the surface area of a wooden box whose shape is of a cube if the edge of the box is 6 cm.**
2. **The diameter of an iron sphere is 20 cm. It is beaten and drawn into a wire of diameter 16 mm. Find the length of the wire.**
3. **Twenty metal spheres of radius 7 cm each melted and this melted solution is filled in Cube with base area 11 cm × 9 cm. Find the height of Cube filled with solution.**
4. **What is the volume of a regular cylinder whose base has radius of 17 cm and has height of 11 cm?**
5. **A cubical box has dimensions 10in × 6in × 10in. How many cubes dimension 3 in x 4 in x 5 in can be fixed in cubical box?**
6. **Milk is sold in aluminum cans that measure 15 inches in height and 14 inches in diameter. How many cubic inches of milk are contained in a full can?**
7. **A cubical box has dimensions 12in × 8in × 12in. How many cubes dimension 6 in x 8 in x 9 in can be fixed in cubical box?**
8. **The diameter of an iron sphere is 8 cm. It is beaten and drawn into a wire of diameter 6 cm. Find the length of the wire.**
9. **A cylindrical glass is 19 cm deep and 16 cm wide. How much liquid can the glass hold?**
10. **A glass is 21 cm deep and 10cm wide. How much liquid can the glass hold?**

Name: _____ Date _____

Topic: Volume of Solids- Worksheet 3

Do the following:

1. **Find the surface area of a wooden box whose shape is of a cube if the edge of the box is 2 cm.**
2. **The diameter of an iron sphere is 8 cm. It is beaten and drawn into a wire of diameter 2 mm. Find the length of the wire.**
3. **Hundred metal spheres of radius 4 cm each melted and this melted solution is filled in Cube with base area 16 cm × 10 cm. Find the height of Cube filled with solution.**
4. **What is the volume of a regular cylinder whose base has radius of 14 cm and has height of 6 cm?**
5. **A cubical box has dimensions 6in × 3in × 7in. How many cubes dimension 3 in x 4 in x 2 in can be fixed in cubical box?**
6. **Milk is sold in aluminum cans that measure 13 inches in height and 6 inches in diameter. How many cubic inches of milk are contained in a full can?**
7. **A cubical box has dimensions 6in × 7in × 2in. How many cubes dimension 4 in x 4 in x 4 in can be fixed in cubical box?**
8. **The diameter of an iron sphere is 6 cm. It is beaten and drawn into a wire of diameter 8 cm. Find the length of the wire.**
9. **A cylindrical glass is 18 cm deep and 14 cm wide. How much liquid can the glass hold?**
10. **A glass is 20 cm deep and 16 cm wide. How much liquid can the glass hold?**

Name: _____ Date _____

Topic: Volume of Solids- Worksheet 4

Do the following:

1. **Find the surface area of a wooden box whose shape is of a cube if the edge of the box is 5 cm.**
2. **The diameter of an iron sphere is 12 cm. It is beaten and drawn into a wire of diameter 10 mm. Find the length of the wire.**
3. **Fifty metal spheres of radius 4 cm each melted and this melted solution is filled in Cube with base area 10 cm × 8 cm. Find the height of Cube filled with solution.**
4. **What is the volume of a regular cylinder whose base has radius of 18 cm and has height of 9 cm?**
5. **A cubical box has dimensions 6in × 4in × 6in. How many cubes dimension 5 in x 4 in x 5 in can be fixed in cubical box?**
6. **Milk is sold in aluminum cans that measure 14 inches in height and 12 inches in diameter. How many cubic inches of milk are contained in a full can?**
7. **A cubical box has dimensions 10in × 8in × 10in. How many cubes dimension 9 in x 9 in x 9 in can be fixed in cubical box?**
8. **The diameter of an iron sphere is 6 cm. It is beaten and drawn into a wire of diameter 4 cm. Find the length of the wire.**
9. **A cylindrical glass is 15 cm deep and 14 cm wide. How much liquid can the glass hold?**
10. **A glass is 16 cm deep and 12 cm wide. How much liquid can the glass hold?**

Name: _____ Date _____

Topic: Volume of Solids- Worksheet 5

Do the following:

1. **Find the surface area of a wooden box whose shape is of a cube if the edge of the box is 4 cm.**
2. **The diameter of an iron sphere is 18 cm. It is beaten and drawn into a wire of diameter 14 mm. Find the length of the wire.**
3. **Thirty metal spheres of radius 11 cm each melted and this melted solution is filled in Cube with base area 13 cm × 8 cm. Find the height of Cube filled with solution.**
4. **What is the volume of a regular cylinder whose base has radius of 19 cm and has height of 10 cm?**
5. **A cubical box has dimensions 9in × 9in × 10in. How many cubes dimension 5 in x 4 in x 6 in can be fixed in cubical box?**
6. **Milk is sold in aluminum cans that measure 17 inches in height and 12 inches in diameter. How many cubic inches of milk are contained in a full can?**
7. **A cubical box has dimensions 10in × 8in × 9in. How many cubes dimension 6 in x 10 in x 9 in can be fixed in cubical box?**
8. **The diameter of an iron sphere is 10 cm. It is beaten and drawn into a wire of diameter 8 cm. Find the length of the wire.**
9. **A cylindrical glass is 21 cm deep and 18 cm wide. How much liquid can the glass hold?**
10. **A glass is 22 cm deep and 12 cm wide. How much liquid can the glass hold?**