

Name _____ Period _____ Date _____

CHAPTER 9 TEST

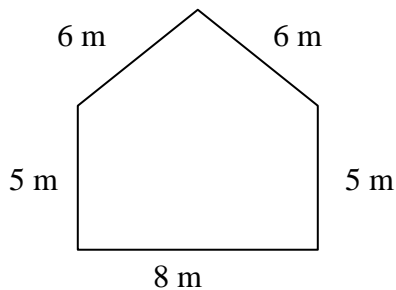
Perimeter, Area, Volume, and Surface Area

For problems 1 – 4, match each question to its answer.

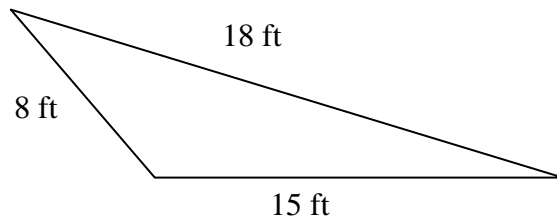
- | | |
|--------------------------|-------------------------------------------------|
| 1. What is perimeter? | A. The number of squares inside a shape. |
| 2. What is area? | B. The length around a shape. |
| 3. What is volume? | C. The area of all the surfaces of a 3-D shape. |
| 4. What is surface area? | D. The number of cubes that fit inside a shape. |

For problems 5 – 9, find the perimeter of the shapes.

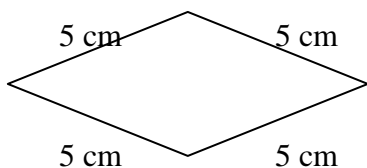
5. Perimeter = _____



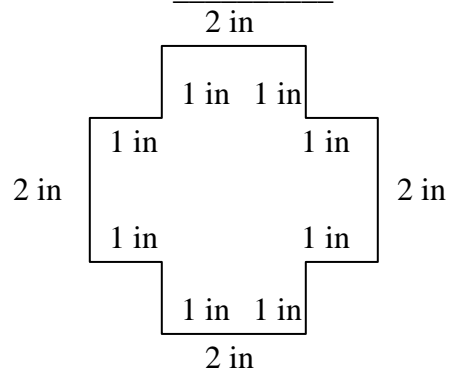
6. Perimeter = _____



7. Perimeter = _____

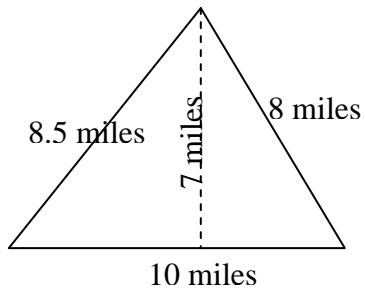


8. Perimeter = _____

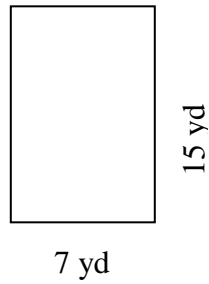


For problems 9 – 14, find the area of the shapes.

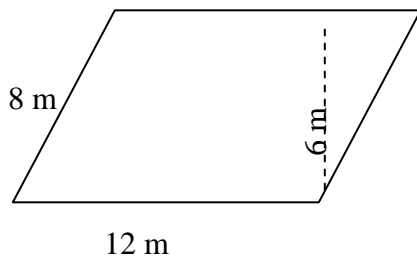
9. Area = _____



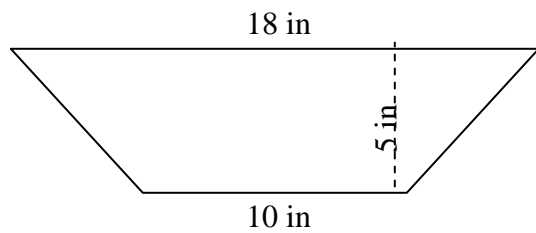
10. Area = _____



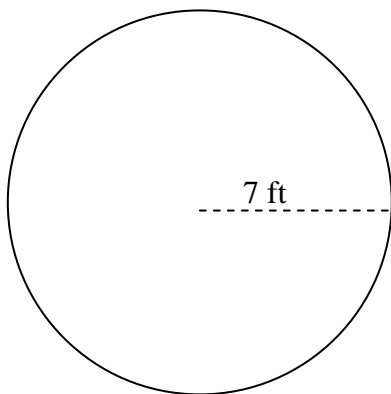
11. Area = _____



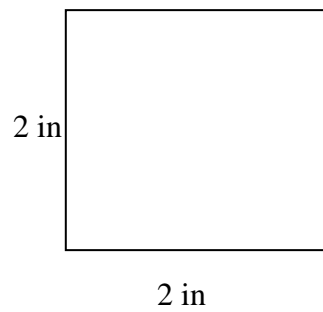
12. Area = _____



13. Area = _____

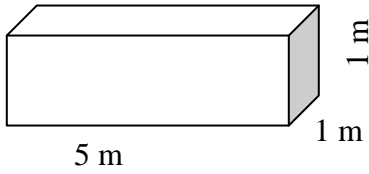


14. Area = _____

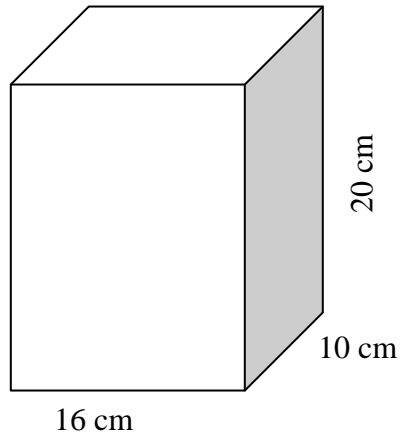


For problems 15 – 20, find the volume of the shapes.

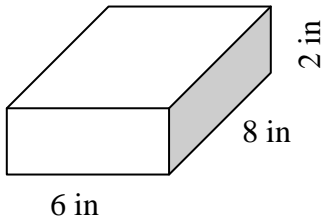
15. Volume = _____



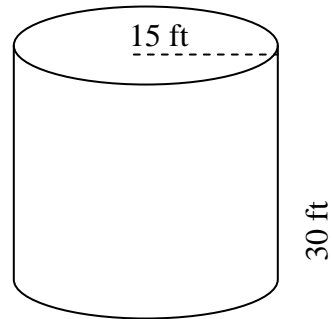
16. Volume = _____



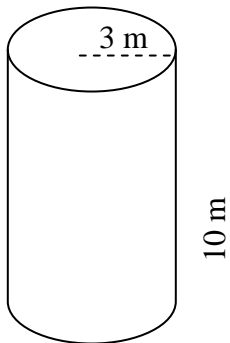
17. Volume = _____



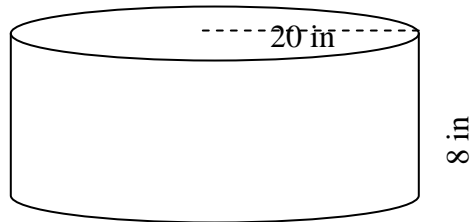
18. Volume = _____



19. Volume = _____

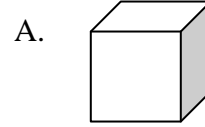


20. Volume = _____

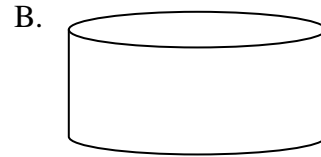


For problems 21 – 23, match the shape with its name.

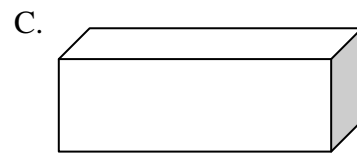
21. Cylinder



22. Cube

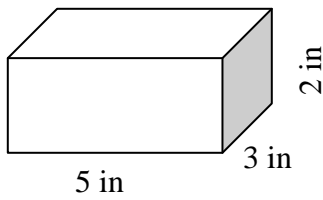


23. Rectangular Prism

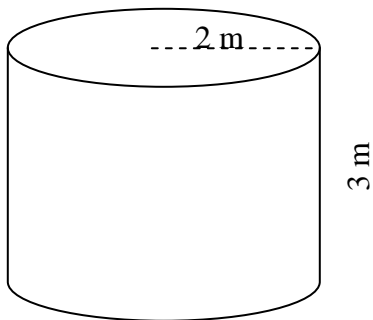


For problems 24 – 25, find the surface area of each shape.

24. Surface Area = _____



25. Surface Area = _____



Name ANSWER KEY Period _____ Date _____

CHAPTER 9 TEST

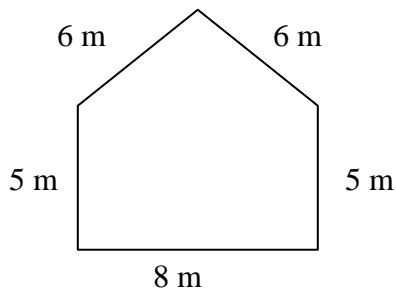
Perimeter, Area, Volume, and Surface Area

For problems 1 – 4, match each question to its answer.

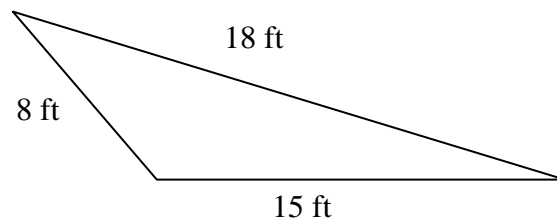
1. What is perimeter? ~~A. The number of squares inside a shape.~~
2. What is area? ~~B. The length around a shape.~~
3. What is volume? ~~C. The area of all the surfaces of a 3-D shape.~~
4. What is surface area? ~~D. The number of cubes that fit inside a shape.~~

For problems 5 – 9, find the perimeter of the shapes.

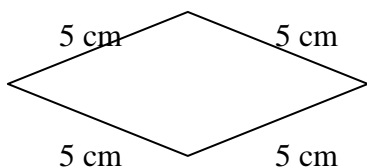
5. Perimeter = 30 m.



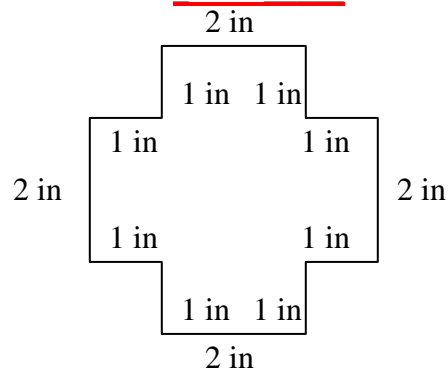
6. Perimeter = 41 ft.



7. Perimeter = 20 cm.

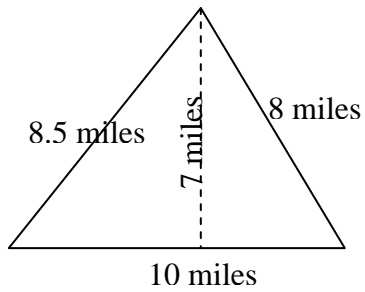


8. Perimeter = 16 in.

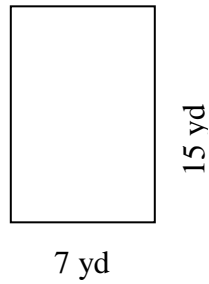


For problems 9 – 14, find the area of the shapes.

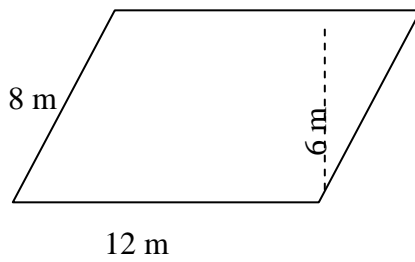
9. Area = 35 sq. mi.



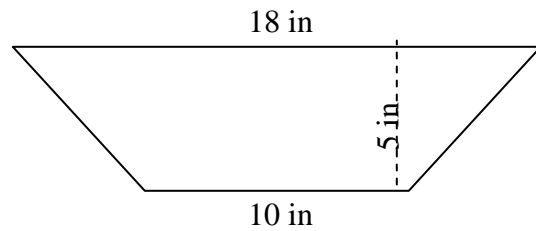
10. Area = 140 sq. yds.



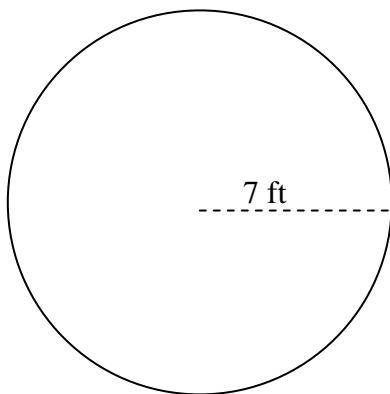
11. Area = 72 sq. m.



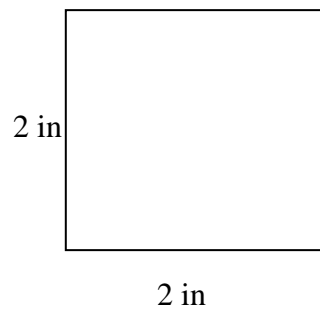
12. Area = 50 sq. in.



13. Area = 153.86 sq. ft.

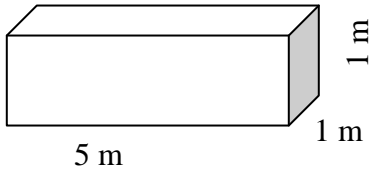


14. Area = 4 sq. in.

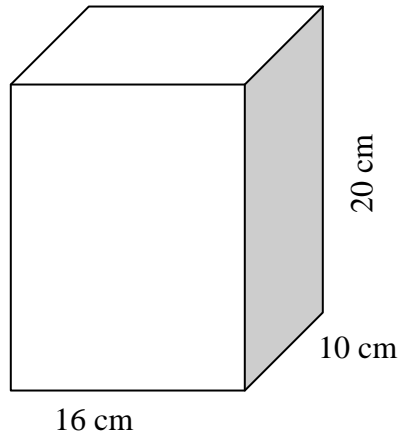


For problems 15 – 20, find the volume of the shapes.

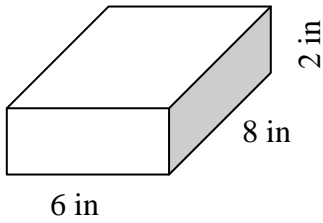
15. Volume = 5 cubic m



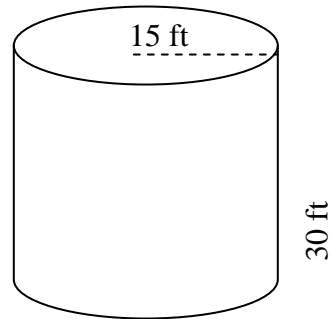
16. Volume = 3,200 cubic cm.



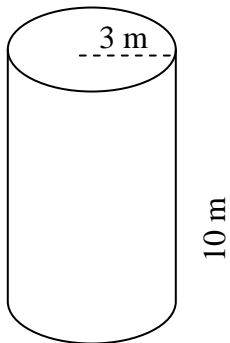
17. Volume = 96 cubic in.



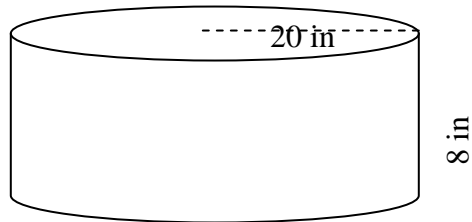
18. Volume = 21,195 cubic ft.



19. Volume = 282.6 cubic m.



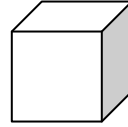
20. Volume = 10,048 cubic in.



For problems 21 – 23, match the shape with its name.

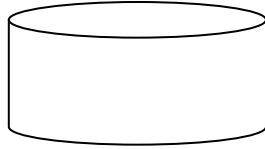
21. Cylinder

A.



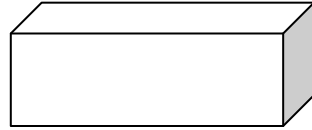
22. Cube

B.



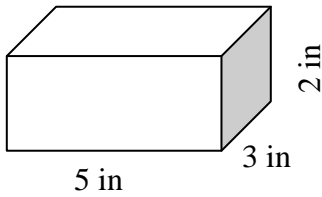
23. Rectangular Prism

C.



For problems 24 – 25, find the surface area of each shape.

24. Surface Area = 62 sq. in.



25. Surface Area = 62.8 sq. m

