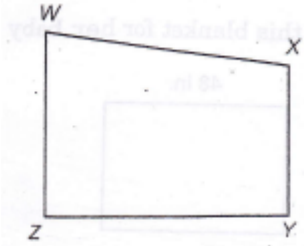
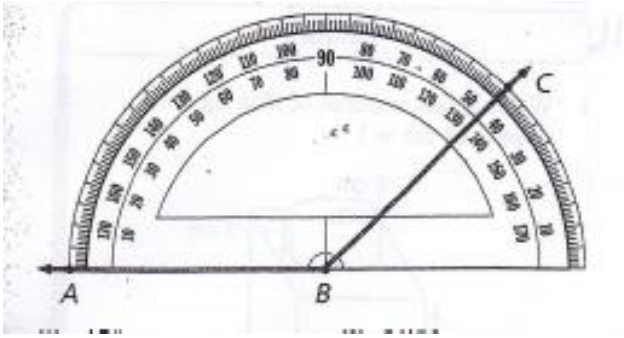
6th grade EOG REVIEW Lesson #3- Measurement

1. Which is most likely the measure of $\angle W$ in quadrilateral WXYZ?



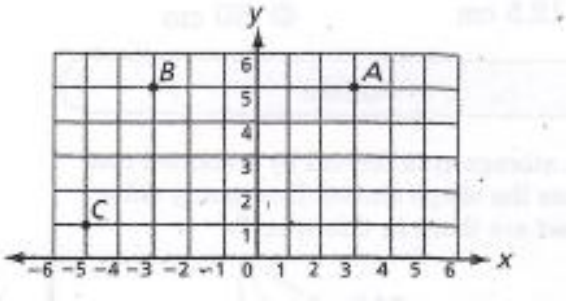
A. 45°
B. 80°
C. 90°
D. 100°

2. What is the measure of $\angle ABC$?



A. 45°
B. 55°
C. 135°
D. 145°

3. Celia is drawing parallelogram ABCD on the coordinate grid below. She has already plotted points A, B, and C.



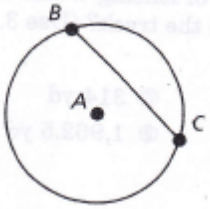
What will be the location of point D?

A. (5, 1)
B. (1, 5)
C. (5, 5)
D. (1, 1)

4. Tammi plotted the points (-5, 4), (-5, -2), (3, -2), and (3, 4) on a coordinate grid. She then connected the points in order to form a figure. What is the perimeter of the figure?

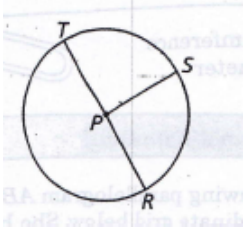
A. 8 units
B. 14 units
C. 28 units
D. 48 units

5. Which term describes line segment BC?



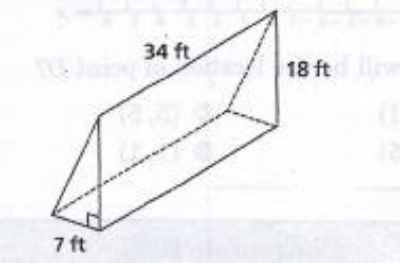
A. Chord
B. Radius
C. Diameter
D. Circumference

6. The diameter of the circle below is 25 cm. What is the length of segment PR?



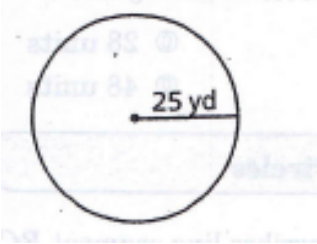
A. 6 cm
B. 12.5 cm
C. 25 cm
D. 50 cm

7. A storage area formed by a slanted roof has the shape shown. How many cubic feet are there in this space?



A. 306 ft^3
B. 612 ft^3
C. 2,142 ft^3
D. 4,284 ft^3

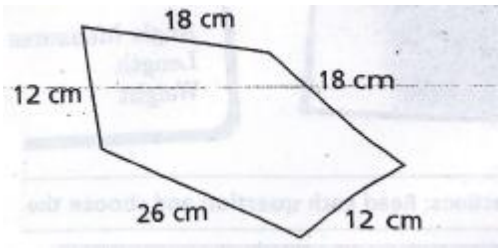
8. This figure shows the circular track at school.



How many yards of fencing would be added to enclose the track? (Use 3.14 for π)

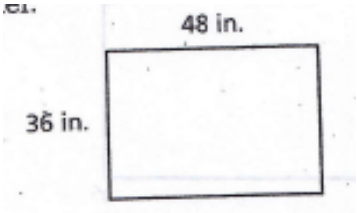
A. 78.5 yards
B. 157 yards
C. 314 yards
D. 1,962.5 yards

9. What is the perimeter of this polygon?



A. 43 cm
B. 56 cm
C. 76 cm
D. 86 cm

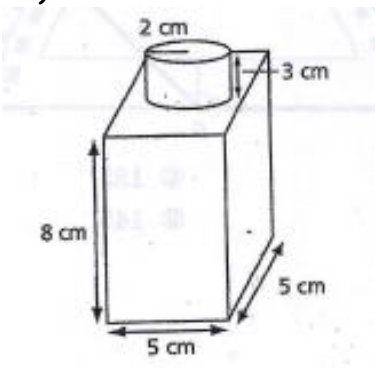
10. Liz knitted this blanket for her baby brother?



What is the perimeter of the blanket?

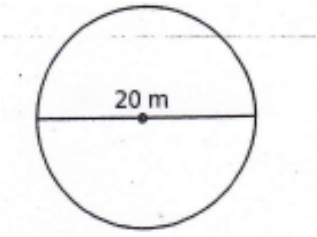
A. 1,728 in.
B. 168 in.
C. 148 in.
D. 84 in.

11. What is the volume of this figure? (Use 3.14 for π)



A. 37.68 cm^3
B. 193.5 cm^3
C. 200 cm^3
D. 237.68 cm^3

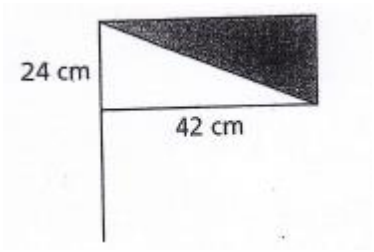
12. Vance wants to plant grass in the circular lawn shown below. He needs to find the area of the circle so that he can order the right amount of seed?



What is the area of the lawn? (Use 3.14 for π)

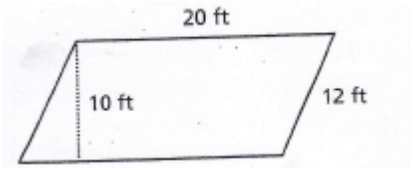
A. 3.14 m^2
B. 125.6 m^2
C. 314 m^2
D. 1,256 m^2

13. What is the area of the white part of this flag?



A. 132 cm^2
B. 504 cm^2
C. 576 cm^2
D. 1,008 cm^2

14. The design for a garden has the shape shown below. There is a 10-foof-long path across the garden.

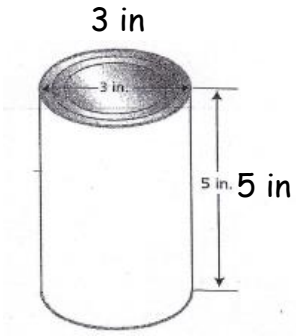


What is the area of the garden?

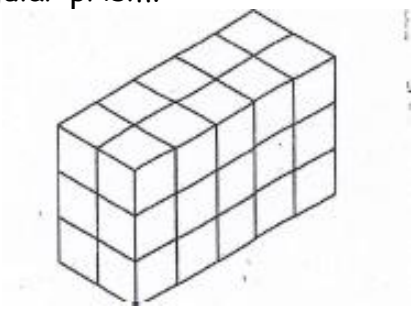
A. 64 ft^2
B. 120 $ft.^2$
C. 200 $ft.^2$
D. 240 $ft.^2$

15. Tin Can Co. makes cans like the one shown below. Find the area of the metal needed to make the can.

A. 15 $in.^2$
B. 35.325 $in.^2$
C. 61.23 $in.^2$
D. 94.2 $in.^2$

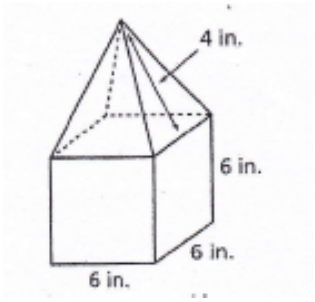


16. What is the surface area of this rectangular prism?



A. 62 $units^2$
B. 52 $units^2$
C. 48 $units^2$
D. 30 $units^2$

17. Tory built this tower in art class.



What is the surface area of the tower?

A. 192 $in.^2$
B. 264 $in.^2$
C. 228 $in.^2$
D. 300 $in.^2$

18. Mrs. Miller has a flower box that is $\frac{7}{15}$ ft deep, $4\frac{5}{7}$ ft long, and $1\frac{1}{2}$ ft wide. If potting soil comes in bags that have $\frac{6}{13}$ ft^3 of soil, how many bags of potting soil will she need to fill the flower box?

A. 8 bags
B. 7 bags
C. 10 bags
D. 13 bags

19. Jessica is painting her room purple and gold. Her room dimensions are 13.5 inches wide, 14.7 inches tall and 15.2 inches long. How much paint would she need to paint her room, excluding her ceiling and floor? How much would paint cost if each can of paint is $4.99? A. 857.3 $in.^2$; $4,277.93 B. 3, 016.44 in^2; $15,052 C. 3,016.44 in^2; $1,507.02 D. 857.3 in^2; $161.78	20. Elaine's jewelry box has a volume of 576 cubic inches. Which of the following are the dimensions of her jewelry box? A. 8 in. long, 15 in. wide, 12 in. deep B. 14 in. long, 10 in. wide, 5 in. deep C. 12 in. long, 6 in. wide, 8 in. deep D. 8 in. long, 12 in. wide, 13 in. deep