

Name _____ Date _____

Practice Test 2 (continued)

14. A carousel has a radius of 14 feet. What is the circumference of the carousel (in feet)?



- (A) 7π
- (B) 14π
- (C) 28π
- (D) 56π

15. What is the volume of the cube below?



- (A) 32 cm^3
- (B) 64 cm^3
- (C) 128 cm^3
- (D) 512 cm^3

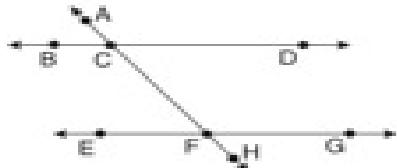
16. Walt has a rectangular garden 6 feet long by 4 feet wide. He is adding a new section 2 feet long by 4 feet wide to the old plot. What will the area of the entire garden be?

- (A) 48 sq ft
- (B) 32 sq ft
- (C) 24 sq ft
- (D) 8 sq ft

17. A box of cookies measures 8 inches long, 1.5 inches high, and 4 inches wide. What is the total volume of 4 boxes of cookies?

- (A) 48 in.^3
- (B) 96 in.^3
- (C) 128 in.^3
- (D) 192 in.^3

18. In the figure below, BD and EG are parallel.



Which of these statements is true?

- (A) $\angle DCF \cong \angle GFH$
- (B) $AH \perp EG$
- (C) $BC = EF$
- (D) $\angle CPE = 90^\circ$

19. Look at the triangles below. What else do you need to know to prove that the triangles are congruent?



- (A) the length of side X
- (B) the measure of angle b
- (C) the length of side A
- (D) the measure of angle f

GO ON