

1 TAKS PRACTICE

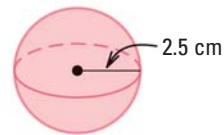
PRACTICE FOR TAKS OBJECTIVE 10

1. Sheri plants a sawtooth oak that is 1.5 feet tall. The table shows the height h (in feet) of the tree after n years. What is the height of the tree after 12 years?

n	0	1	2	3	4
h	1.5	5	8.5	12	15.5

- A** 18 ft
B 21.5 ft
C 42 ft
D 43.5 ft
2. A bank offers a checking account for a monthly fee of \$3.90. The first 10 transactions per month are free, and each additional transaction costs \$0.15. During one month, Maya makes 18 transactions. Which expression can be used to find the total monthly fee for her account?
- F** $3.90 - 8(0.15)$
G $3.90 - 18(0.15)$
H $3.90 + 8(0.15)$
J $3.90 + 18(0.15)$
3. At a used book sale, 5 paperback books cost \$3.75. The total cost, c , of purchasing n paperback books can be found by—
- A** subtracting n from c
B dividing n by the cost of 1 book
C multiplying n by c
D multiplying n by the cost of 1 book
4. A pica is a unit of measure that equals one sixth of an inch. What is the area, in square inches, of a rectangle that is 9 picas long and 8 picas wide?
- F** 0.5 in.^2
G 2 in.^2
H 72 in.^2
J 2592 in.^2

5. Ice cream is scooped into spheres with the radius shown.



A cylindrical container of ice cream has a height of 25 centimeters and a radius of 8 centimeters. About how many scoops of ice cream can be scooped from the container?

- A** 77
B 80
C 102
D 256

MIXED TAKS PRACTICE

6. How many faces, edges, and vertices does the polyhedron have? **TAKS Obj. 7**



- F** 4 faces, 12 edges, and 8 vertices
G 5 faces, 10 edges, and 10 vertices
H 7 faces, 5 edges, and 9 vertices
J 7 faces, 15 edges, and 10 vertices
7. The total amount of money, m , raised at a spaghetti dinner can be represented by the equation $m = 6a + 3c$, where a is the number of adult tickets sold and c is the number of children's tickets sold. If 260 children's tickets were sold and the total money raised was \$2280, how many adult tickets were sold? **TAKS Obj. 4**
- A** 240
B 250
C 510
D 1280