A/13 #11

Tree Species in U.S. Forests (2002)				
Tree name	Genus	Species	Percent of all trees	Number of trees (billions)
Douglas-Fir	Pseudotsuga	menziesii	3.5%	9.9
Loblolly Pine	Pinus	taeda	6.6%	19
Ponderosa Pine	Pinus	ponderosa	0.9%	4
Red Maple	Acer	rubrum	7.6%	21.8
Northern Red Oak	Quercus	rubra (2.4%	6.3
Lodgepole Pine	Pinus	contorta	2.5%	7.1
White Oak	Quercus	alba	1.9%	5.5
Sugar Maple	Acer	saccharum	3.1%	8.9

Use the table to answer the question.

Which trees make up less than 3% of all trees in the U.S. Forest and have the same genus?

O loblolly Pine, Ponderosa Pine, Lodgepole Pine

Northern Red Oak, White Oak

O Red Maple, Sugar Maple

O White Oak, Northern Red Oak, Lodgepole Pine

- · Establish the relevant information
 - Tree name, Genus, 1. of all trees
- * Focus only on the rows of the chart that have less than 3% for the % of all trees column
 - Ponderosa, N. Red Oak, Lodge pole, White Oak
- · Use process of elimination as you check each answer option

A/13 #18

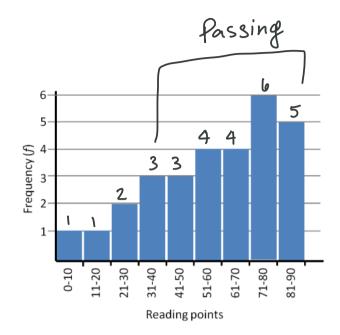
Students in a reading class took a reading comprehension test. A passing score is 31 points or higher. The bar graph shows the test results.

Which statement is true?

- O 11 students earned 70 points or higher
- O 7 students did not pass
- O The average score was 45 points



9 students took the test



- "Il Students earned 70 pts or higher" FALSE
 - Note: This is true for 71 pts or higher, but we cannot say how many students earned exactly 70 pts.
- "7 Students did not pass" FALSE
- Passing is a score of 31 pts or higher. Therefore, anything less than 31 pts (Opts to 30) is failing
- If we count the # of Students who scored between 0-30 pts, we have 4 students
- "The average score was 45 points" FALSE
- we need the exact score for each student to carculate the avg., which we do not have
- I " 29 Students took the test" TRUE
 - If we add up the amount of students in each bour on the grouph, we have 29 students

C/D #12

What is the radius of the steering wheel?

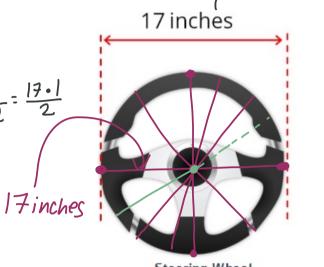
O 7 inches

8.5 inches

$$\Gamma = \frac{17}{2}$$
 or $17 \cdot \frac{1}{2} = \frac{17 \cdot 1}{2}$

○ 4.25 inches

O 17 inches



Steering Wheel

* Circles, radius, diameter

diameter: 17 inches

radius = diameter
$$\div 2 = 17 = 17 \div 2 = 8.5$$

$$r = \frac{d}{2}$$

$$d = r \times 2 = 2r$$

C/D#13

Which calculation equals the circumference of the steering wheel?

Use $\pi = 3.14$

- O 3.14(8.5)2 inches
- O 3.14(34) inches
- O 3.14(8.5) inches
- O 3.14(17) inches



$$2 \cdot V = \frac{d}{2} \cdot 2 = \frac{d \cdot 2}{2} = d \cdot \frac{2}{2} = d \cdot 1 = d$$

$$4 \cdot 2 = 8$$
 $4^2 = 4 \cdot 4 = 16$

$$d = 2r = d$$

$$2 \cdot V = \frac{d}{2} \cdot 2 = \frac{d \cdot 2}{2} = d \cdot \frac{2}{2} = d \cdot 1 = d$$

$$2 \cdot V = \frac{d}{2} \cdot 2 = \frac{d \cdot 2}{2} = d \cdot \frac{2}{2} = d \cdot 1 = d$$

$$\begin{cases} \text{X mult. of } \\ \text{fractions} \\ \text{Subple} \\ \text{numbers} \end{cases}$$

$$\begin{cases} 4^2 = 4 \cdot 4 = 16 \\ \text{Y numbers} \end{cases}$$

$$\begin{cases} \text{Circumfevence} \quad \text{'' length of the cuttine of the circle''} \\ \text{TI} = 3 \cdot 14 \end{cases}$$

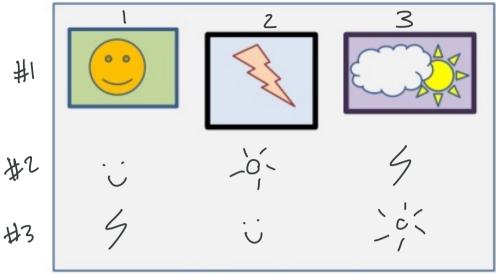
$$\begin{cases} \text{C} = \text{TY } \text{C}^2 \\ \text{TY (Ational number)} \end{cases}$$

$$= \text{TY (8.5)}^2$$

$$= 3.14 (8.5)^2$$

$$r = \frac{d}{2} \cdot 2$$
 = $\frac{1}{2}$ of $d = \frac{1}{2} \cdot \frac{d}{1} = \frac{1}{2} \cdot d = \frac{1 \cdot d}{2}$

C/D #11



Paintings along a wall



* Combinations