

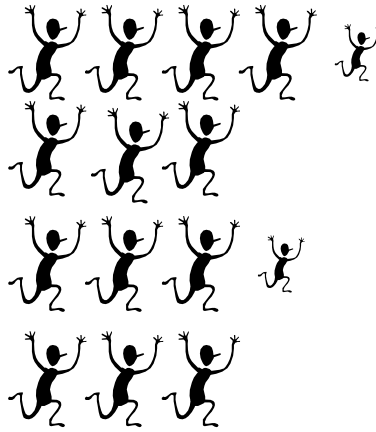
**Subskill # 28 Data Interpretation/Graphs, Tables, Charts, and Diagrams II**

**CLASS SIZE ESTIMATES**

 = 10 STUDENTS

 = 5 STUDENTS

TEACHER
Mr. Smith
Ms. Jones
Ms. Willis
Mr. James

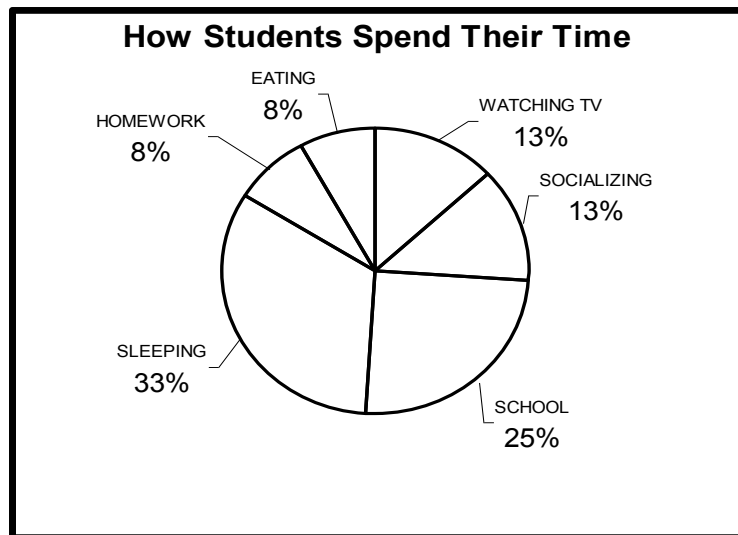


The picture above estimates the number of students in four different classes at Central High School. Use the picture/graph to answer the following questions.

- What is the approximate size of Mr. Smith's class?  
A. 40 Students  
B. 20 Students  
C. 45 Students  
D. 4 Students
- How many more students are in Mr. Smith's class than in Mrs. Jones's class?  
A. 25  
B. 5  
C. 10  
D. 15
- What is the total number of students in Ms. Jones's and Ms. Willis's classes?  
A. 55  
B. 45  
C. 65  
D. 60
- What is the total of all students in all four classes at Central High School?  
A. 120 Students  
B. 14 Students  
C. 130 Students  
D. 140 Students

**Subskill # 28 Data Interpretation/Graphs, Tables, Charts, and Diagrams II**

Use the pie chart/circle graph to find the best answer to each question.



5. Approximately how many hours a day are spent sleeping?
- A. 6 hours
  - B. 9 hours
  - C. 8 hours
  - D. 10 hours
6. According to this graph, for every 24 hours, about how many hours are spent socializing and watching TV?
- A. 4 hours
  - B. 2 hours
  - C. 5 hours
  - D. 6 hours
7. If a student ate  $\frac{3}{4}$  (three-fourths) of their meals away from home, what % of the total day is spent eating other than at home?
- A. 6%
  - B. 4%
  - C. 7%
  - D. 12%
8. Approximately how many hours a day are spent in school and doing homework?
- A. 7 hours
  - B. 8.5 hours
  - C. 9 hours
  - D. 8 hours
9. Which equation shows how to figure the amount of time a student spends watching TV during a week? A equals the total amount of time watching TV for a week.
- A.  $A = 13\% \times 24 \times 7$
  - B.  $A = 24 \times 13 \times 7$
  - C.  $A = 1.3 \times 7 \times 24$
  - D.  $A = 24 \text{ DIVIDED BY } 13\% \times 7$
10. Approximately how much time is spent in a week on socializing?
- A. 20 hours
  - B. 21 hours
  - C. 22 hours
  - D. 23 hours

**Subskill # 28 Data Interpretation/Graphs, Tables, Charts, and Diagrams II**

**Study the table below and answer the following questions in reference to it.**

<b>DIAL DIRECT</b> <i>SAMPLE RATES FROM ORLANDO TO</i>	<b>WEEKDAY FULL RATE</b>		<b>EVENING 40% DISCOUNT</b>		<b>WEEKEND 60% DISCOUNT</b>	
	FIRST MINUTE	EACH ADDITIONAL MINUTE	FIRST MINUTE	EACH ADDITIONAL MINUTE	FIRST MINUTE	EACH ADDITIONAL MINUTE
Atlanta, GA	.62	.43	.38	.26	.25	.18
Boston, Mass	.62	.43	.38	.26	.25	.18
Denver, CO	.62	.43	.38	.26	.25	.18
Detroit, Michigan	.58	.39	.35	.24	.24	.16
Los Angeles, CA	.64	.44	.39	.27	.26	.18
Miami, FL	.64	.44	.39	.27	.26	.18
Milwaukee, WS	.57	.37	.35	.23	.23	.15
Minneapolis, Minnesota	.59	.42	.36	.26	.24	.17
New Orleans, LA	.62	.43	.38	.26	.25	.18
New York, NY	.62	.43	.38	.26	.25	.18
Seattle, Washington	.64	.44	.38	.27	.25	.18
Washington, DC	.62	.43	.38	.26	.25	.18

**Effective rates – do not include tax charges.**

<b>OPERATOR ASSISTED*</b>	
<b>STATION-TO-STATION</b>	<b>PERSON-TO-PERSON</b>
1 - 10 MILES      \$.75	\$3.00 FEE FOR ALL MILEAGES
11-22 MILES      \$1.10	
23-3000 MILES    \$1.55	

**\*NOTE: Add to this base charge – the minute rates from the above chart**

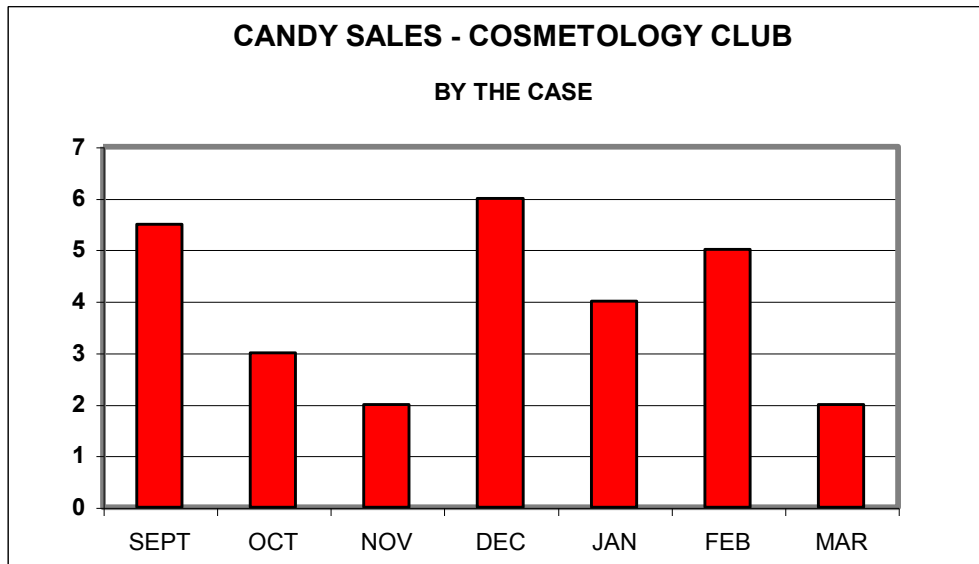
- |  |   |
|--|---|
| <p>11. What is the price of a 7-minute DIAL DIRECT call to New York, NY, when you call in the evening?</p> <p>A. \$1.56<br/>B. \$1.94<br/>C. \$1.65<br/>D. \$1.74</p> <p>12. What is the difference in cost of a 7-minute DIAL DIRECT call to New York, NY, and a 7-minute PERSON-TO-PERSON call to New York, NY?</p> <p>A. \$1.55<br/>B. \$3.00<br/>C. \$4.55<br/>D. \$4.10</p> | <p>13. What is the price of a 12-minute OPERATOR ASSISTED Station-to-Station call to Miami, FL on a Tuesday at noon?</p> <p>A. \$5.48<br/>B. \$7.03<br/>C. \$8.45<br/>D. \$7.53</p> <p>14. What is the difference in price for a 9 minute DIAL DIRECT call to Los Angeles, CA, at 10:00 a.m. on a weekday – AND – the same call made in the evening?</p> <p>A. \$3.26<br/>B. \$2.36<br/>C. \$1.61<br/>D. \$3.18</p> |
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**Subskill # 28 Data Interpretation/Graphs, Tables, Charts, and Diagrams II**

15. What is the cost of an 18 minute EVENING, OPERATOR ASSISTED – STATION-TO-STATION call to New Orleans, LA?
- A. \$6.35
  - B. \$5.80
  - C. \$4.86
  - D. \$5.24
16. If a 3% tax applied to the total cost of any call – what would be the total cost of a 12 minute WEEKDAY, DIAL DIRECT call to Detroit, Michigan?
- A. \$6.96
  - B. \$4.87
  - C. \$4.29
  - D. \$5.02
17. Which of the following is NOT a type of charge for a DIAL DIRECT call?
- A. Holiday
  - B. Evening
  - C. Weekday
  - D. Weekend
18. What is the amount of discount from a DIAL DIRECT, WEEKDAY call to Miami cost – as compared to a DIAL DIRECT, WEEKEND call to Miami?
- A. 60%
  - B. 40%
  - C. 20%
  - D. 80%

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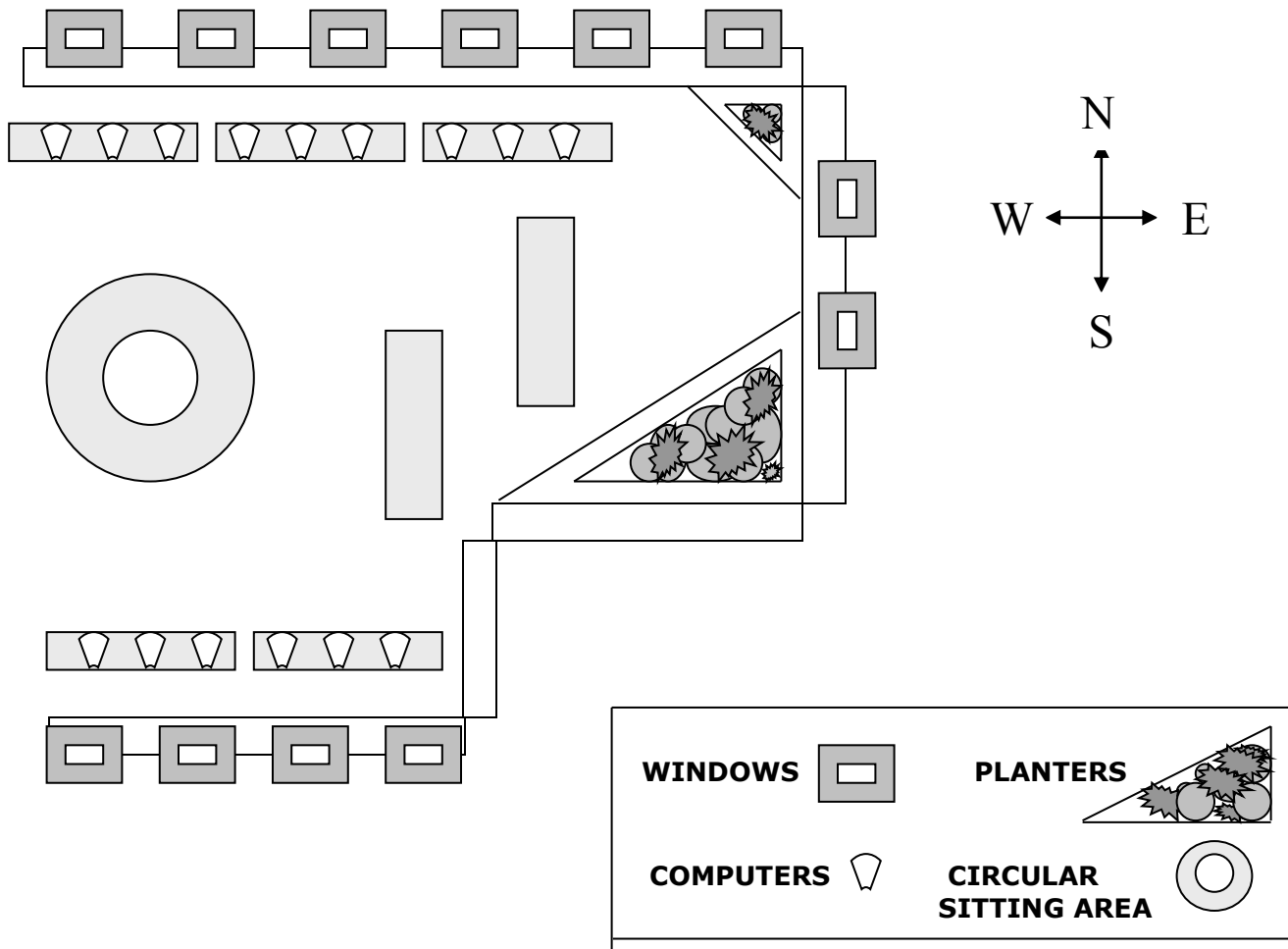
**Study the bar graph below and answer the following questions.**



19. What does the scale on the left beginning with 0 and ending with 7 represent?
- A. Number of students selling candy
  - B. Number of cases of candy sold
  - C. Number of candy in each case
  - D. Number of days each month that candy was sold
20. Which two MONTHS had approximately the same amount of candy sold?
- A. September & February
  - B. October & March
  - C. November & March
  - D. September & December
21. The amount of candy sold in December is twice the amount of candy sold in which other month?
- A. October
  - B. March
  - C. January
  - D. September
22. What was the total amount of candy sold during the school year shown in the graph?
- A. 27.5 Cases
  - B. 43 Cases
  - C. 35.5 Cases
  - D. 23 Cases
23. Which month showed a 100% increase in sales over the month of November?
- A. March
  - B. January
  - C. December
  - D. April

**Subskill # 28 Data Interpretation/Graphs, Tables, Charts, and Diagrams II**

**Study the diagram below then answer the following questions.**



24. Each window for the new lab takes about 7 minutes to clean. About how long will it take to clean all the windows on the north and south walls of the building?

- A. 50 minutes
- B. 1 hour and 10 minutes
- C. 60 minutes
- D. 1 and 1/2 hours

25. What fractional part of the windows is located on the south side of the building?

- A. 4/6
- B. 1/3
- C. 2/3
- D. 4/10

26. The largest planter is located on what wall of the room?

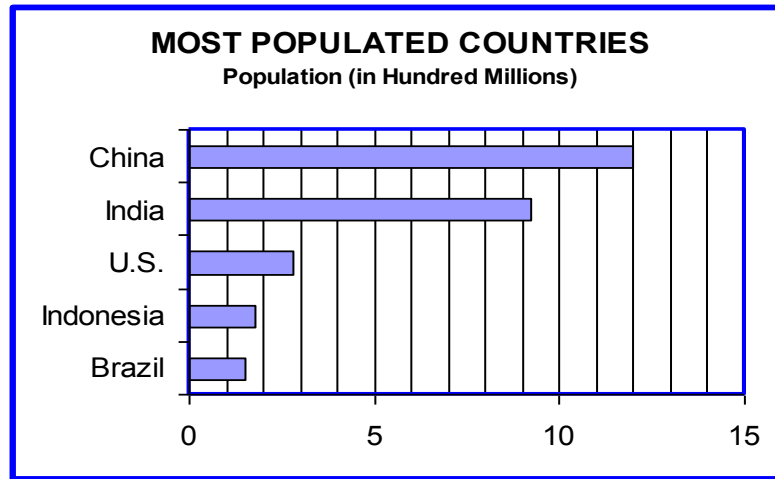
- A. North
- B. Northwest
- C. South
- D. Southeast

**Subskill # 28 Data Interpretation/Graphs, Tables, Charts, and Diagrams II**

27. Most of the computers are located on which wall of the room?
- A. North
  - B. South
  - C. West
  - D. East

28. What fractional part of the total number of computers is located on the south side of the building?
- A.  $\frac{1}{2}$
  - B.  $\frac{2}{3}$
  - C.  $\frac{2}{5}$
  - D.  $\frac{6}{9}$

**Study the graph below then answer the following questions.**



Scott Foresman Addison Wesley

29. Which two countries have the closest population?
- A. China and Brazil
  - B. U.S. and Indonesia
  - C. Indonesia and Brazil
  - D. India and China

30. About how many more people live in India than in the U.S.?
- A. 250,000,000
  - B. 650,000,000
  - C. 100,000,000
  - D. 80,000,000