

1 The first megaplex theater opened in Brussels, Belgium, in 1988. It had 25 screens and a seating capacity of 7,500 people. If each theater has the same capacity and there are 15 seats on each row, how many rows are in each theater?

That's going to take a lot of popcorn to feed that crowd!

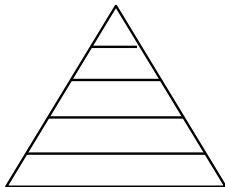


- A. 12
- B. 14
- C. 15
- D. Not here

2 Do question # 4 first. Use information in the question to find the perimeter of the the outside of the pyramid.



Have a snack from the food pyramid while you work this problem!



Label, label, label!

- A. 43 cm
- B. 41 cm
- C. 39 cm
- D. 37 cm

3 According to the information in the table to the right, which two states have the greatest combined area of the four given answer choices?

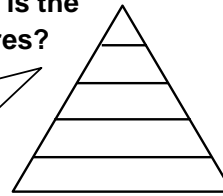
State	Area (sq. miles)
North Carolina	48,711
Minnesota	79,885
South Carolina	75,885
Oregon	95,996
Ohio	40,948
Indiana	35,867
West Virginia	24,078

- A. Oregon and West Virginia
- B. Ohio and Minnesota
- C. West Virginia and South Dakota
- D. South Dakota and Indiana

4 Juanita made a drawing for a math project. The equilateral triangle has a perimeter of 9 cm. The outer sides of each trapezoid are 4 cm. The top of the second trapezoid is 2 cm more than the first, and the top of the third trapezoid is 2 cm, more than the second. The bottom of the third trapezoid is 9 cm. What is the combined perimeter of all 4 figures?

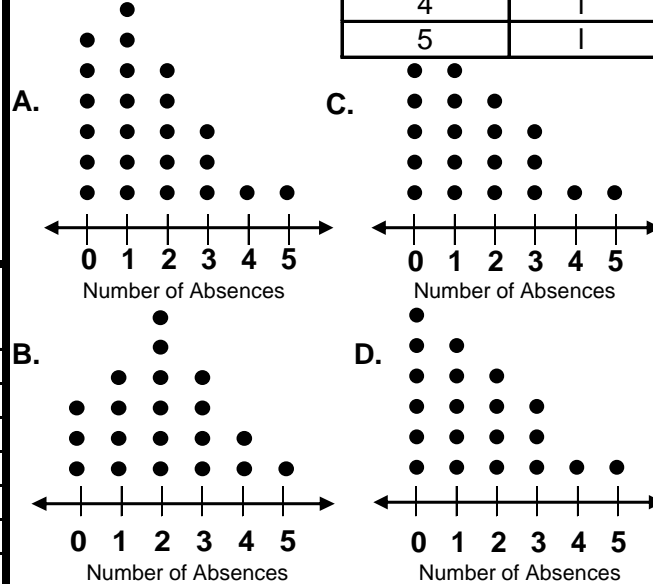
- A. 72 cm
- B. 69 cm
- C. 76 cm
- D. 67 cm

Use the perimeter of the triangle to find the number for the top of the first trapezoid.



5 The table shows the number of absences in Linda's class. Which dot plot represents the data in the table?

Number of Absences	Frequency
0	III I
1	III II
2	III
3	III
4	I
5	I



6 According to the tally chart in question # 5, how many more students in the class had 0 to 2 absences than 3 to 5 absences?

- A. 14
- B. 13
- C. 12
- D. 11

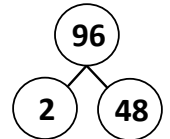
7 Zak made a table to round four different decimal numbers to the nearest tenth and the nearest hundredth. Which row of the table has a mistake in rounding?

perfectly rounded moosetake in rounding

	Decimal Numeral	Nearest Tenth	Nearest Hundredth
A.	8.015	8.0	8.02
B.	6.837	6.8	6.84
C.	4.306	4.4	4.40
D.	7.532	7.5	7.53

8 Which expression shows 96 as a product of prime factors?

(continue the factor tree)



Prime Numbers	Composite Numbers
2, 3, 5, 7, 11, 13, 17, 19, 23	4, 6, 8, 9, 10, 12, 14, 15, 16, 18, 20, 21, 24

- A. $2 \times 2 \times 2 \times 2 \times 2 \times 3$
- B. $2 \times 3 \times 3 \times 3 \times 5$
- C. $2 \times 2 \times 2 \times 3 \times 3$
- D. $2 \times 2 \times 3 \times 3 \times 7$

9 Use the tally chart in question # 5. 0.7 of the student absences were caused from having the flu. To the nearest whole number, how many of the absences were due to the flu?

Flee, fly, flew. When wolves come around, that's what you do!



- A. 20
- B. 18
- C. 16
- D. 14