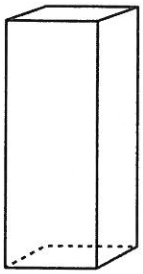
Name _____

No calculators

144060105_1

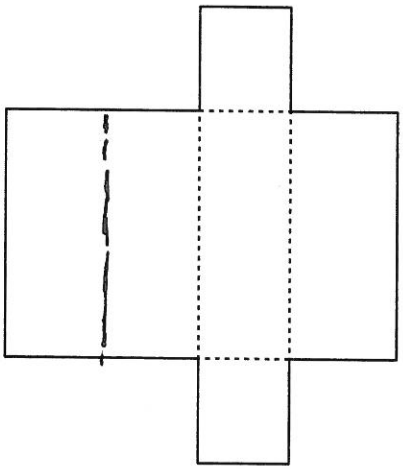
G

4 A rectangular prism is shown below.

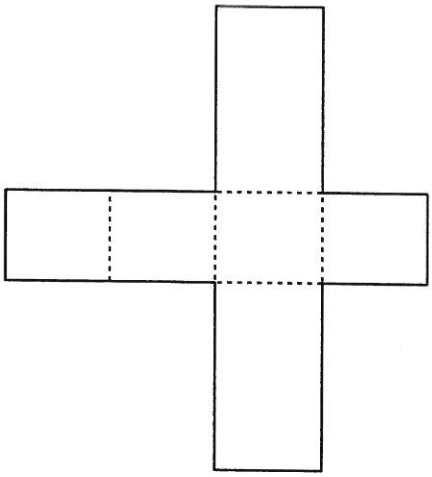


Which figure represents the net of the rectangular prism?

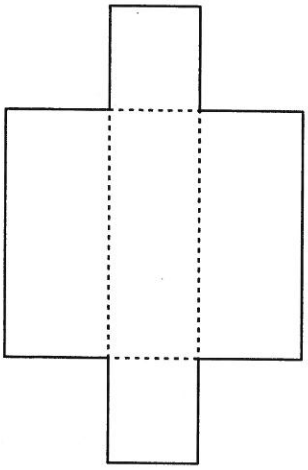
A



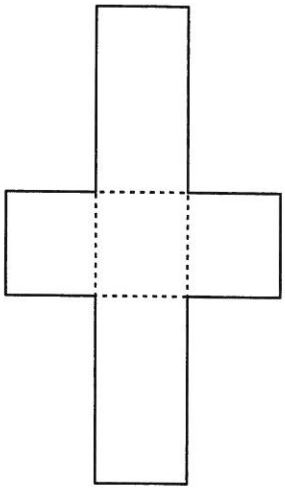
C



B



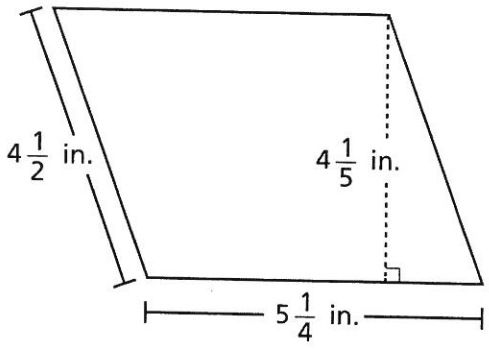
D



134060411_1

21 Erica drew the parallelogram below.

G



Which expression can Erica use to find the area of the parallelogram?

A $5\frac{1}{4} \times 4\frac{1}{5}$

B $\frac{1}{2}\left(5\frac{1}{4} \times 4\frac{1}{5}\right)$

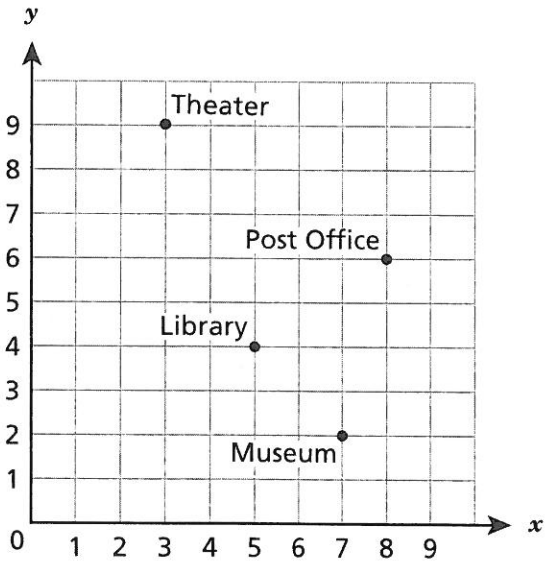
C $2 \times \left(5\frac{1}{4} + 4\frac{1}{2}\right)$

D $5\frac{1}{4} \times 4\frac{1}{2}$

144050109_4

26 The points plotted on the coordinate grid below show different locations in a city. The grid lines represent the city's streets.

G



The city plans to build a parking lot at the location represented by the coordinates (8, 4). Which building is the shortest driving distance from the parking lot?

A theater

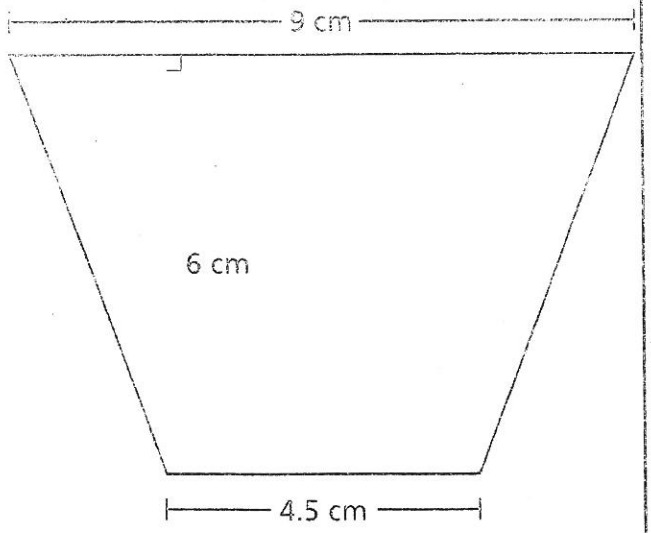
B library

C museum

D post office

124080056_3

What is the area of the isosceles trapezoid shown?



A $27\ cm^2$

B $33.8\ cm^2$

C $40.5\ cm^2$

D $54\ cm^2$

134062089_4

The base of a right rectangular prism has an area of 173.6 square centimeters and a height of 9 centimeters. What is the volume, in cubic centimeters, of the right rectangular prism?

A 182.6

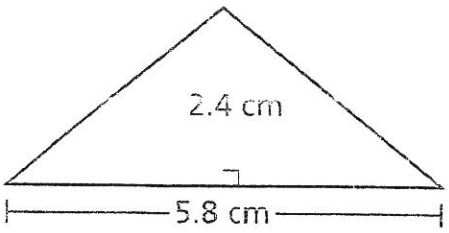
B 781.2

C 14,061.6

D 1,562.4

134060409_1

What is the area, in square centimeters, of the figure below?



A 6.96

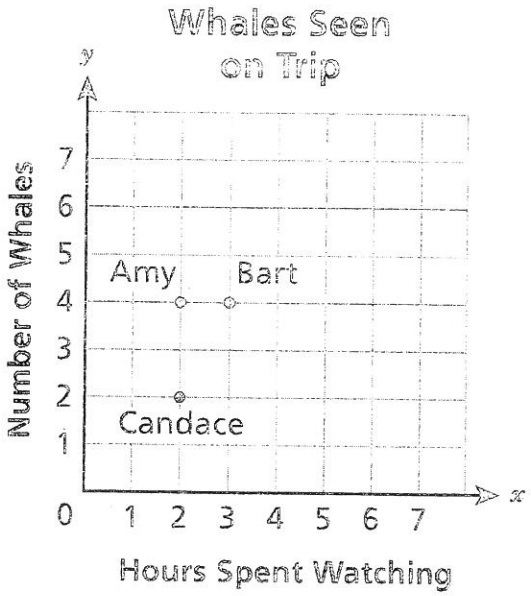
B 10.6

C 13.92

D 17.4

134050301_3

Amy, Bart, and Candace each went on a whale watching trip. On the coordinate plane below, x represents the number of hours they spent whale watching and y represents the number of whales seen.



Which statement is true based on the points plotted on the grid?

A Bart saw 3 whales in 4 hours.

B Bart saw 1 more whale than Amy.

C Amy and Bart saw the same number of whales.

D Amy and Candace saw the same number of whales.

5

134050091_3

Peter wants to plot the point (2, 3) on a coordinate plane. Which statement describes how to plot this point starting from the origin?

A Move 2 units to the left and then 3 units down.

B Move 3 units to the left and then 2 units down.

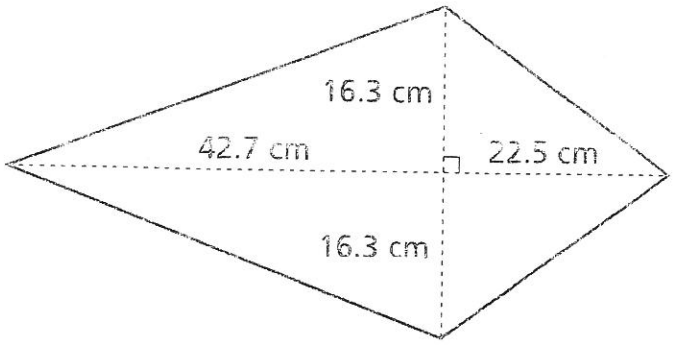
C Move 2 units to the right and then 3 units up.

D Move 3 units to the right and then 2 units up.

6

134060664_2

Noah wants to make the kite shown below out of cloth.



He wants to determine how much cloth he needs. What is the area, rounded to the nearest square centimeter, of Noah's kite?

A 531

B 1,063

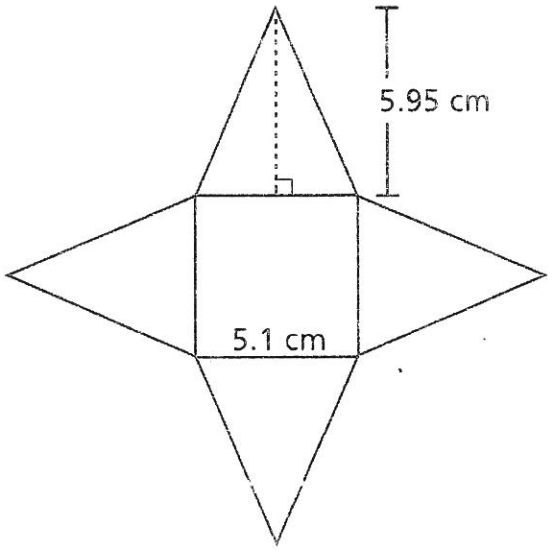
C 1,430

D 2,126

7

134060412_2

A net of a square pyramid is shown below.



What is the surface area, in square centimeters, of the pyramid?

A 60.7

B 86.7

C 121.4

D 147.4