

Question 35
Benchmark A
March 2006

Which would be measured in square inches?

- A. the amount of juice in a can
- B. the height of a flag pole
- C. the area of a CD case
- D. the length of a pencil

Question 41
Benchmark A
March 2006

Sheila bought a new hamster cage.

Which unit of measure would be used to describe the volume of the hamster cage?

- A. cubic inches
- B. yards
- C. square inches
- D. square feet

Question 4
Benchmark A
Spring 2007

What unit of measurement is likely to be used to find the length of a border around a bulletin board?

- A. inches
- B. square feet
- C. cubic yards
- D. miles

Question 18
Benchmark A
Spring 2007

Which unit is appropriate for measuring the area of the bottom of a pan?

- A. inch
- B. foot
- C. square inch
- D. cubic foot

Question 4
Benchmark B
March 2006

Paco is filling his fish tank with water.

Which container should Paco use to make the fewest trips to the faucet?

- A. one-cup container
- B. one-gallon container
- C. one-pint container
- D. one-quart container

Question 30
Benchmark B
Spring 2007

Robin measured the length of a piece of rope and found it to be 12 feet long.

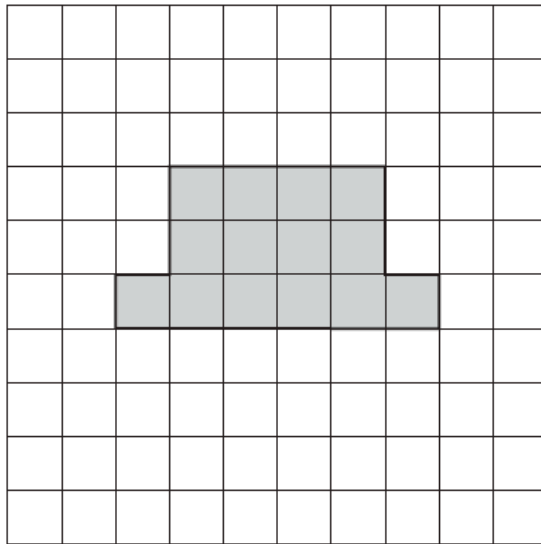
What would happen to the number of units if Robin measured the length of the rope in yards instead of feet?

- A. There would be no units.
- B. There would be more units.
- C. There would be fewer units.
- D. There would be the same number of units.

4th Grade Mathematics Ohio Achievement Test
Measurement Standard

Question 30
Benchmark C
May 2009

30. Erica said that one measurement of the shaded figure shown is 14 squares.



Which measurement of the shaded figure is 14 squares?

- A. area
- B. height
- C. perimeter
- D. volume

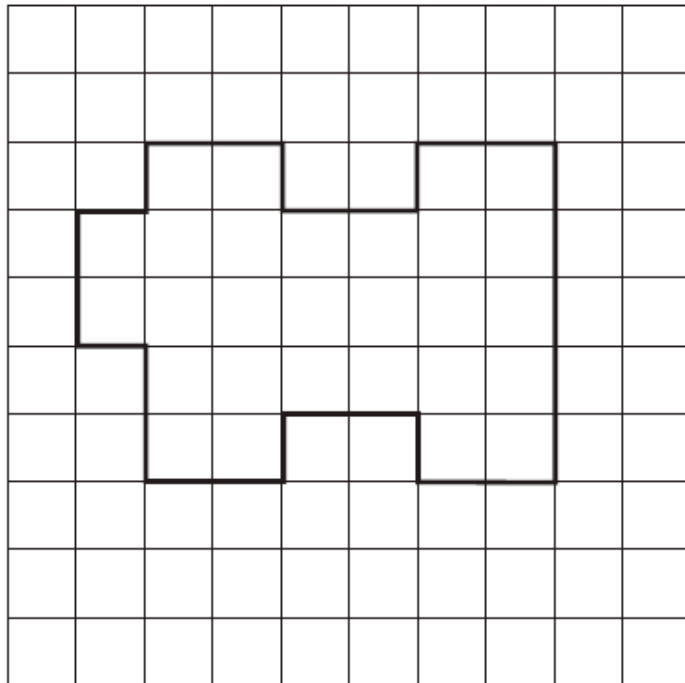
Question 8
Benchmark C
March 2008

Which is an example of perimeter?

- A. the amount of sand in a sandbox
- B. the distance around a window
- C. the number of tiles that cover a floor
- D. the length of a bus

Question 22
Benchmark C
March 2006

Abdul counted the number of units around the outside of the shape shown.

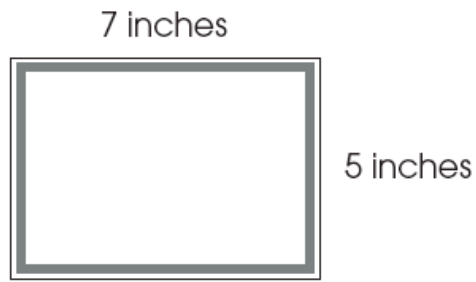


Which measurement did Abdul find?

- A. area
- B. height
- C. perimeter
- D. volume

Question 15
Benchmark D
May 2009

Karen is putting ribbon around the outside edge of a rectangular note card as shown.



How much ribbon does Karen need to go around the card?

Show or explain how you found the amount of ribbon she needs.

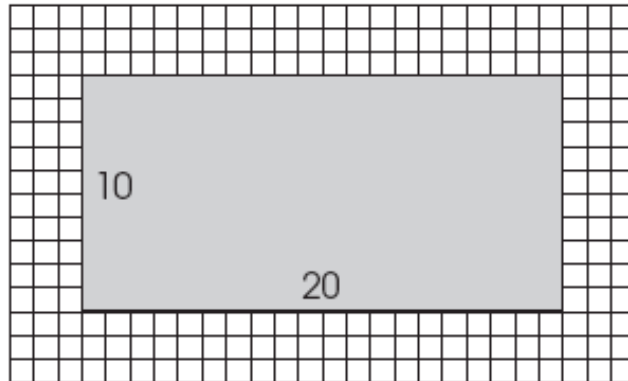
Karen wants to make another rectangular-shaped card. She has 18 inches of ribbon left over to put around the outside edge of this card.

What are the length and width of a card that Karen could make to use all the ribbon? _____

Show or explain how you found the size of a card she could make.

Question 3
Benchmark D
March 2008

A place mat is 10 inches wide and 20 inches long.

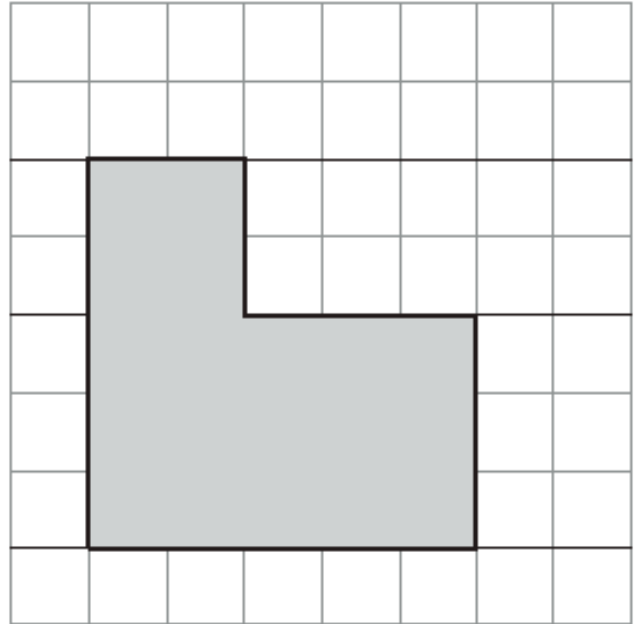


What is the perimeter of the mat?

- A. 30 inches
- B. 60 inches
- C. 100 inches
- D. 200 inches

Question 9
Benchmark D
March 2006

A figure is shown on the grid.

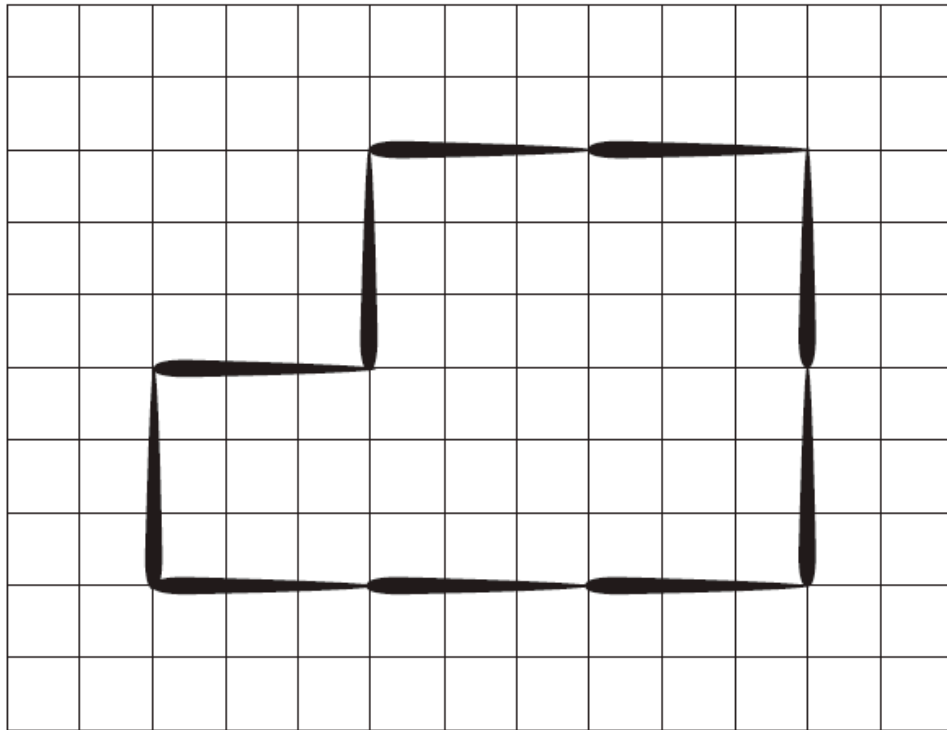


What is the area of the figure?

- A. 16 square units
- B. 19 square units
- C. 20 square units
- D. 25 square units

Question 25
Benchmark D
March 2006

Randy made this shape with toothpicks.



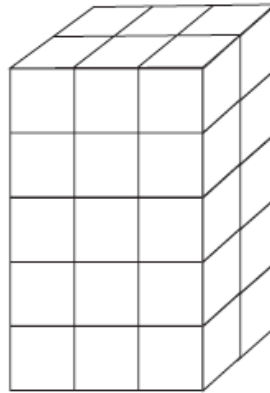
Each  = 1 Toothpick = 3 inches

What is the perimeter of the shape in inches? _____

Describe how you found the length of the perimeter.

Question 32
Benchmark D
March 2006

Torrance made a tower that is three cubes long, five cubes high and two cubes wide.



How many cubes in all did he use to make the tower?

- A. 10
- B. 22
- C. 30
- D. 31