Study Island

Generation Date: **10/30/2015**
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Title: **Blizzard Bag #2**

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1. A floor tile is 18 inches wide. If the perimeter of the rectangular tile is 72 inches, what is the length of the tile?

- **A.** 36 inches
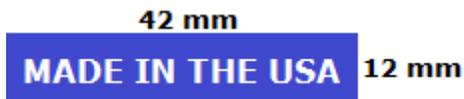- **B.** 18 inches
- **C.** 54 inches
- **D.** 24 inches

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2. Nora is putting icing on the top of a rectangular cake. If the top of the cake is 9 inches wide by 13 inches long, what is the area of the top of the cake?

- **A.** 88 square inches
- **B.** 234 square inches
- **C.** 44 square inches
- **D.** 117 square inches

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3. Shawn is putting a border around his rectangular computer screen. If his screen is 17 inches long by 11 inches wide, what is the perimeter of his computer screen?

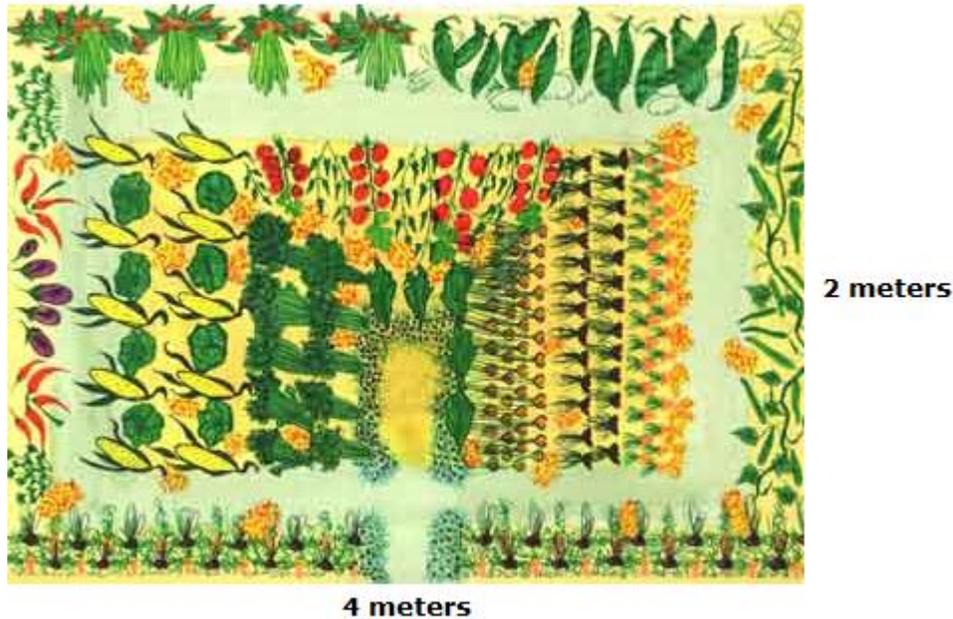- **A.** 112 inches
- **B.** 187 inches
- **C.** 28 inches
- **D.** 56 inches

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4. Chloe measured the rectangular label in her new dress.

42 mm

MADE IN THE USA 12 mm

If the label is 42 millimeters long by 12 millimeters wide, what is the area of the label?

○ **A.** 216 square millimeters

○ **B.** 504 square millimeters

○ **C.** 412 square millimeters

○ **D.** 108 square millimeters

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5. Adam is putting a fence around his rectangular garden shown below. Before he can build the fence, he needs to find the perimeter of the garden.

2 meters

4 meters

If the garden is 4 meters long by 2 meters wide, what is the perimeter of the garden?

○ **A.** 6 meters

○ **B.** 12 meters

○ **C.** 10 meters

○ **D.** 8 meters

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6. Claire is lining the bottom of a rectangular drawer with paper. If the bottom of the drawer is 9 inches long by 6 inches wide, what is the area of the bottom of the drawer?

○ **A.** 60 square inches

○ **B.** 54 square inches

○ **C.** 30 square inches

○ **D.** 108 square inches

7. Steven is building a rectangular wooden frame for his mattress. If the mattress is 7 feet long by 6 feet wide, what is the perimeter of the mattress?

○ **A.** 13 feet
○ **B.** 26 feet
○ **C.** 42 feet
○ **D.** 21 feet

8. A rectangular notebook is 12 inches long. If the area of the notebook is 96 square inches, what is the width of the notebook?

○ **A.** 8 inches
○ **B.** 7 inches
○ **C.** 10 inches
○ **D.** 9 inches

9. Jack's Cafe is putting a new plastic cover over its outside menu shown below.

If the rectangular menu is 3 feet long by 2 feet wide, what is the area of the menu?
○ **A.** 6 square feet
○ **B.** 12 square feet
○ **C.** 5 square feet
○ **D.** 10 square feet

10. Tommy is putting a wooden frame around his living room stained glass window shown below. Before he can build the frame, he needs to find the perimeter of the window.

If the rectangular window is 7 feet long by 4 feet wide, what is the perimeter of the window?
○ **A.** 22 feet
○ **B.** 14 feet
○ **C.** 11 feet

○ **D.** 28 feet

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11. Nino is using the new rectangular luggage tag below on his next trip.

If the luggage tag is 8 centimeters long by 5 centimeters wide, what is the area of the luggage tag?

○ **A.** 13 square centimeters

○ **B.** 26 square centimeters

○ **C.** 20 square centimeters

○ **D.** 40 square centimeters

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12. Anthony bought a new rectangular table for his living room. If the length of the table is 3 feet and the perimeter of the table is 12 feet, what is the width of the table?

○ **A.** 6 feet

○ **B.** 9 feet

○ **C.** 3 feet

○ **D.** 4 feet

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13. A rectangular cell phone is 9 centimeters long. If the area of the cell phone is 45 square centimeters, what is the width of the cell phone?

○ **A.** 7 centimeters

○ **B.** 6 centimeters

○ **C.** 5 centimeters

○ **D.** 4 centimeters

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14. Hallie wants to put a ribbon trim around her rectangular clutch purse. If her purse is 25 centimeters long by 11 centimeters wide, what is the perimeter of her purse?

○ **A.** 144 centimeters

○ **B.** 72 centimeters

○ **C.** 36 centimeters

○ **D.** 275 centimeters

Answers

1. B
2. D
3. D
4. B
5. B
6. B
7. B
8. A
9. A
10. A
11. D
12. C
13. C
14. B