Level M - Form 1 - Applied Mathematics: Measurement

What time does this clock show?

A 1:20

B 1:23

C 2:23

D 2:43

Level M - Form 1 - Applied Mathematics: Measurement
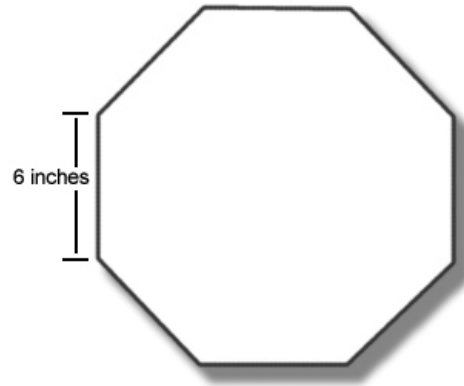
1. A movie begins at 7:25 and ends at 9:55. How long does the movie last?

    A 2 hours and 30 minutes

    B 2 hours and 20 minutes

    C 2 hours and 40 minutes

    D 2 hours and 10 minutes

2. What temperature is shown on the thermometer?

    F 24°C

    G 26°C

    H 28°C

    J 32°C

The diagram shows the base of a lampshade. All eight sides are the same length. Use the diagram to do Numbers 3 through 4.

6 inches

3. What is the perimeter of the base of the lampshade?

    A 36 inches

    B 42 inches

    C 48 inches

    D 54 inches

4. The interior decorator bought 12 feet of fabric to decorate the lampshade and matching pillows. How many inches of fabric did the decorator buy?

    F 120

    G 144

    H 23

    J 72

5. Marcus has the thermostat at home set between 68°F and 78°F. If the temperature is greater than 78°F, the air conditioner turns on. If the temperature is less than 68°F, the heat turns on. Which of these thermometers shows a temperature when the heat would turn on?

A
°F
110°
100°
90°
80°
70°
60°
50°
40°

B
°F
110°
100°
90°
80°
70°
60°
50°
40°

C
°F
110°
100°
90°
80°
70°
60°
50°
40°

D
°F
110°
100°
90°
80°
70°
60°
50°
40°

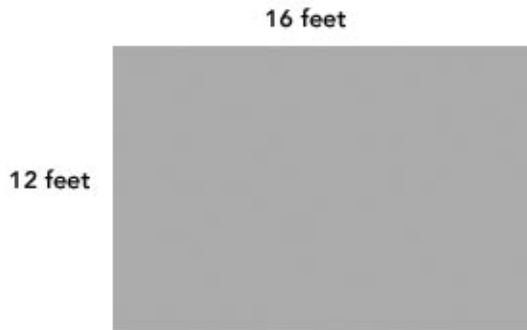6. A 5 hour and 25-minute flight begins at 9:40. At what time will it end?

F 2:05

G 3:05

H 3:25

J 5:05

This diagram shows the dimensions of Holly's living room. Use the diagram to do Numbers 7 through 9.

16 feet

12 feet

7. Holly wants to put a molding around the ceiling of the room. How much molding will she need?

   A 56 feet

   B 40 feet

   C 28 feet

   D 44 feet

8. Holly has a sofa that measures 6 feet 5 inches. If she places the sofa along the shorter wall of the room, how much wall space along the same wall will be available for other furniture?

   F 5 feet 5 inches

   G 6 feet 5 inches

   H 5 feet 7 inches

   J 6 feet 7 inches

9. Holly is planning to paint the living room walls. Which unit could be used to measure the amount of paint in a container?
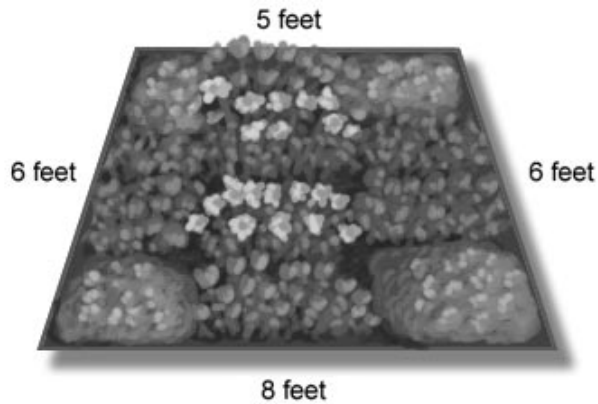
   A meter

   B liter

   C pound

   D inch

The diagram shows the two sizes of stone that Rasheida will use to make a stone border around her flower bed. Study the diagram. Then do Numbers 10 through 11.

10. What is the length of the larger rock?

   F $8\frac{1}{4}$ inches

   G $7\frac{1}{4}$ inches

   H $7\frac{1}{2}$ inches

   J $8\frac{1}{2}$ inches

11. How much longer is the large rock than the small rock?

   A $2\frac{1}{2}$ inches

   B 3 inches

   C $3\frac{1}{2}$ inches

   D 4 inches

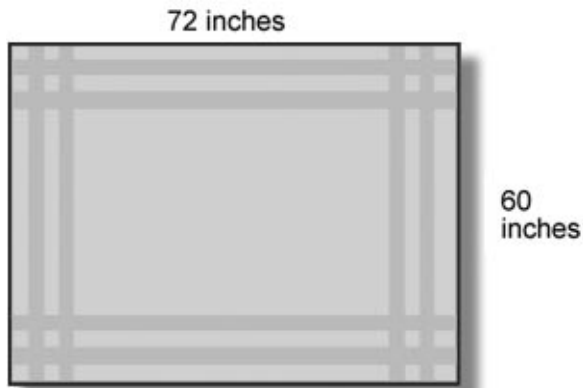12. Rasheida wants to place a stone border around her flower bed. What is the perimeter of Rasheida's flower bed?

5 feet

6 feet   6 feet

8 feet

   F 25 feet

   G 35 feet

   H 17 feet

   J 20 feet

13. Which unit would best measure the distance from Miami, FL, to Baltimore, MD?

   A centimeter

   B inch

   C liter

   D kilometer

14. How many days equal 84 hours?

   F 2.5 days

   G 3 days

   H 3.5 days

   J 7 days

15. Richard has this thermometer hanging outside his house. What was the temperature outside Richard's house this morning?
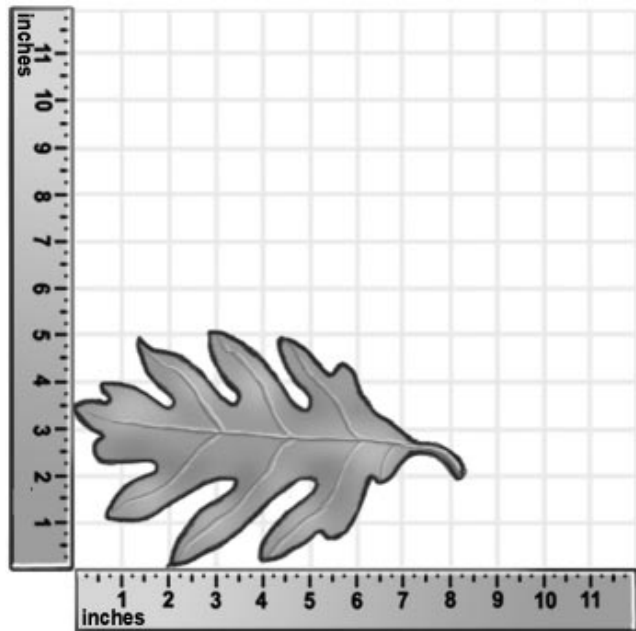
°F

110°
100°
90°
80°
70°
60°
50°
40°

   A 56°F

   B 53°F

   C 44°F

   D 42°F

16. What unit would be used to measure the volume of milk used in a recipe?

   F meter

   G millimeter

   H cup

   J inch

The diagram shows the dimensions of the tablecloth that Ming made for his kitchen table. Study the diagram. Then do Numbers 17 through 18.

72 inches

60 inches

17. How much ribbon would be needed to put a border on the tablecloth?

  A 264 inches

  B 204 inches

  C 528 inches

  D 132 inches

18. When Ming places the tablecloth on his kitchen table, the tablecloth hangs over 1 foot on each side. What are the dimensions of Ming's kitchen table?

  F 70 inches by 58 inches

  G 60 inches by 48 inches

  H 48 inches by 36 inches

  J 52 inches by 40 inches

19. At which temperature would water freeze?

  A 15°C

  B 30°C

  C 25°F

  D 37°F

20. Natalie wants to put this leaf in a frame. Which of the following frames should Natalie buy to display the entire leaf?

  F 4 inch by 6 inch

  G 5 inch by 7 inch

  H 8 inch by 10 inch

  J 8 inch by 5 inch