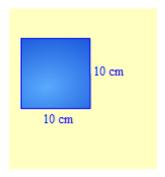**MA050, CH4 Practice Test**

1. How many meters are in 418 mm?

2. Express 164 dam in centimeters.

3. How many meters are in 981.7 cm?

4. Express 153.7 hm in millimeters.

5. How many decameters are in 615.33 cm?

6. Convert 10 ft to decimeters. Round your answer to nearest thousandth, if necessary.

7. What number of yards is equivalent to 100 cm? Round your answer to the nearest thousandth, if necessary.

8. Convert 350 ft to kilometers. Round your answer to nearest thousandth, if necessary.

9. Find the perimeter of a triangle with sides of 7 cm, 14 cm, and 9 cm.

Answer: [   ] cm

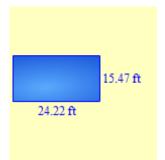**10.** Find the perimeter of a square with sides of length 10 cm.

Answer: [   ] cm

10 cm

10 cm

11. Find the perimeter of a rectangle with length 24.22 ft and width 15.47 ft.
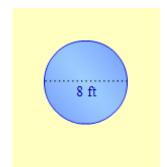
Answer: [   ] ft

15.47 ft

24.22 ft

12. Find the circumference of a circle with a diameter of 8 ft. Use ä = 3.14. (Round your answer to the nearest hundredth.)
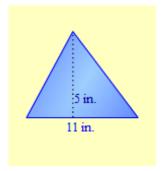
Answer: [   ] ft
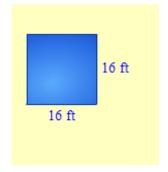
8 ft

13. Find the area of a triangle with a base of 11 in. and height of 5 in.

Answer: [   ] in.²

14. Find the area of a square with sides of length 16 ft.
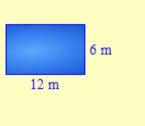
Answer: [   ] ft²

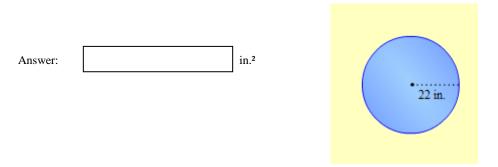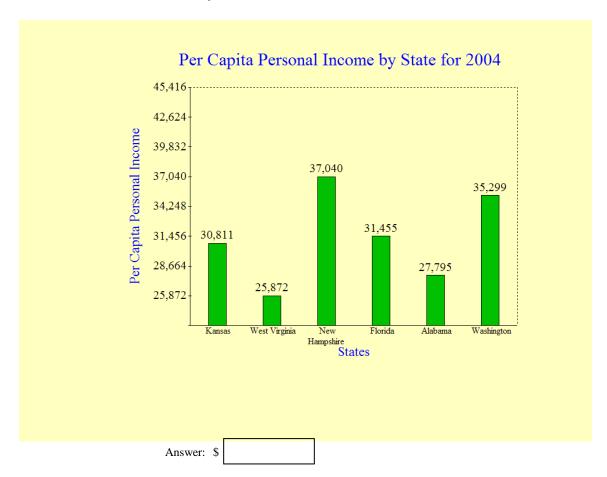**15.** Find the area of a rectangle with length 12 m and width 6 m.

Answer: [   ] m²

16. Find the area of a circle with a radius of 22 in. (Note: Take the value of ä as 3.14) Round your answer to the nearest hundredth.

Answer: [   ] in.²

17. The following bar graph shows the per capita personal incomes for six states in 2004. Use this bar graph to answer the questions.

Step 1. Find the lowest per capita personal income for the six states shown. Round your answer to the nearest hundredth, if necessary.

Per Capita Personal Income by State for 2004

Answer: $ [   ]

Step 2. Find the highest per capita personal income for the six states shown. Round your answer to the nearest hundredth, if necessary.
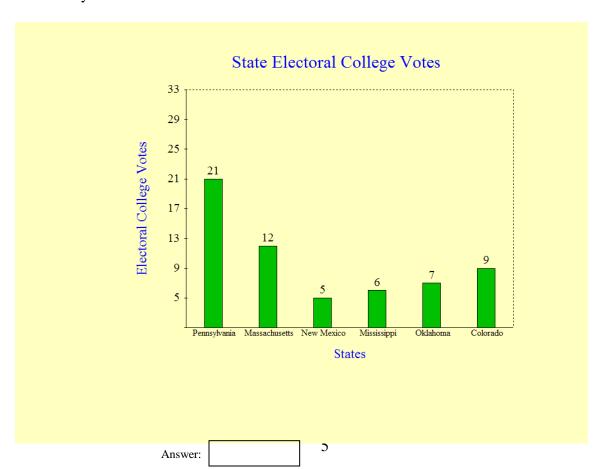

Step 3. Which state of the six shown has the highest per capita personal income?

Step 4. What is the difference in per capita personal income between New Hampshire and Alabama? Round your answer to the nearest hundredth, if necessary.

Step 5. If a single resident of Kansas makes $50,000 in 2004, what percent of the per capita personal income for Kansas was his/her salary? Round your answer to the nearest hundredth, if necessary.

18. The following bar graph shows the Electoral College vote totals for six states. Use this bar graph to answer the questions.

Step 1. Find the lowest state Electoral College vote total. Round your answer to the nearest hundredth, if necessary.

State Electoral College Votes

A bar graph with y-axis "Electoral College Votes" ranging from 5 to 33, and x-axis "States". The bars are:
- Pennsylvania: 21
- Massachusetts: 12
- New Mexico: 5
- Mississippi: 6
- Oklahoma: 7
- Colorado: 9

Answer: _____ ᴐ

Step 2. Find the highest state Electoral College vote total. Round your answer to the nearest hundredth, if necessary.
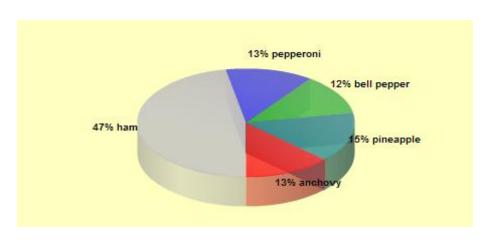
Step 3. Which state of the six shown has the fewest Electoral College votes?

Step 4. What is the total number of Electoral College votes for all six of the states shown? Round your answer to the nearest hundredth, if necessary.

Step 5. What percent of the total number of Electoral College votes for these six states are held by Colorado? Round your answer to the nearest hundredth, if necessary.

19.   The Pizza Pie 'N Go sells about 2100 one-topping pizzas each month. The circle graph displays the five most requested one-topping pizzas, by percentage, for one month. Round your answer to the nearest integer.
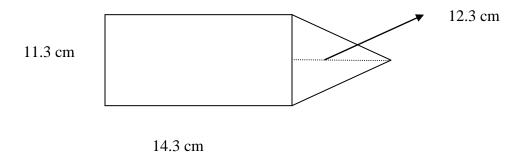
Step 1. Find the number of anchovy pizzas sold each month.

Answer: [   ]

Step 2. Find the number of ham pizzas sold each month.

Step 3. Find the number of pepperoni pizzas sold each month.

Step 4. Find the number of bell pepper pizzas sold each month.

Step 5. Find the number of pineapple pizzas sold each month.

20.   Write the following number in scientific notation: 32,000,000

21   Write the following number in decimal notation: $3.24 \cdot 10^{-5}$

22.   Find the area of the following figure.

11.3 cm

14.3 cm

12.3 cm

23.   Find the perimeter of the following figure.

22 ft

7

13 ft