1. An amusement park charges an entry fee of $2.25 plus
   $1.50 for each ride. If Simon spent a total of $12.75,
   how many rides did he pay for?

1. _____

2. The mural of your school mascot is 4 feet by 12 feet
   and is to be completely framed using a single row of
   square tiles each 2 inches on an edge. If the tiles are
   $0.10 each, find the cost, in dollars, of the tiles needed
   to frame the mural.

2. _____

3. A restaurant bill of $25.44 is obtained by first adding 6%
   tax to the cost of the food and then adding a 20% tip to
   the result. What was the cost of the food in dollars?

3. _____

4. Here are two views of a cube whose faces are labeled
   with 6 distinct letters.

4. _____

Here is another view of the cube.

What letter is on the face labeled by the question mark?
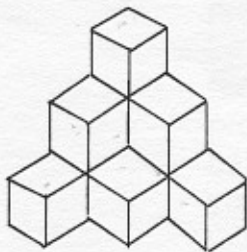
5. The number of diagonals of a regular polygon is
   subtracted from the number of sides of the polygon and
   the result is zero. What is the number of sides of this
   polygon?

5. _____

6.　On a balance scale, 3 green balls balance 6 blue balls, 2 yellow balls balance 5 blue balls, and 6 blue balls balance 4 white balls. How many blue balls are needed to balance 4 green, 2 yellow and 2 white balls?

6. _____

7.　Point C is the midpoint of $\overline{AB}$, point D is the midpoint of $\overline{AC}$, point E is the midpoint of $\overline{AD}$, and point F is the midpoint of $\overline{AE}$. If AF = 3, what is the number of units in the length of $\overline{AB}$?

7. _____

8.　How many different 4-digit numbers can be formed using the digits 1, 1, 9, 9?

8. _____

9.　The diagram shows an arrangement of 10 cubes in 3 layers:

9. _____

How many cubes will it take to make 8 layers?

10.　John spent $352 on fencing for his dog pen. The fencing cost $11.00 per foot. He built a rectangular pen 10 feet in length. If he had planned better, he could have increased the area available to his dog by a maximum of how many square feet?

10. _____