

**Problems 3 Points Each**

1. Which of the numbers below is the smallest?

- A)  $2 + 0 + 1 + 0$       B)  $2 - 0 + 1 - 0$       C)  $2 + 0 - 1 + 0$       D)  $2 - 0 + 1 + 0$

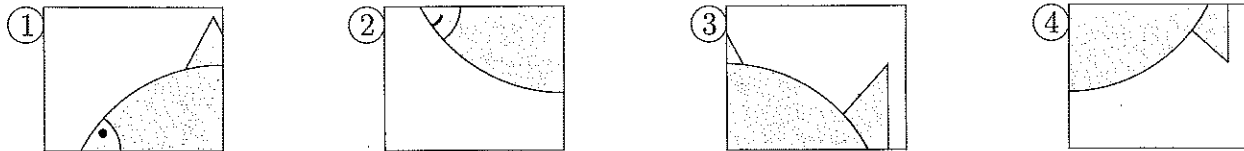
2. Dominic put two teddy bears, one car and two balls on his shelf. Which of the pictures below shows his shelf?



3. Fourteen children lined up in pairs. How many pairs were there?

- A) six      B) fourteen      C) seven      D) twenty-four

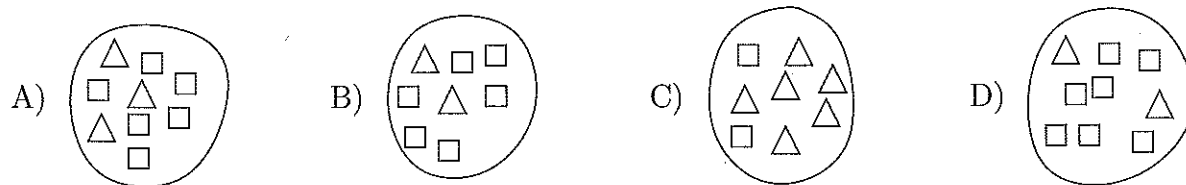
4. The four numbered puzzle pieces below can be used to make a picture of a fish.



Which of the diagrams below shows us how to correctly put this puzzle together?



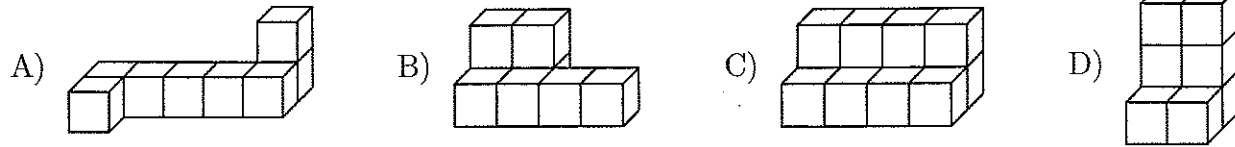
5. In which of the pictures below are there three times as many squares as triangles?



6. Today it is March 18, 2010, and I am 7 years old. How old will I be on March 18, 2020?

- A) 17 years old      B) 16 years old      C) 13 years old      D) 12 years old

7. Mark always builds figures made up of eight identical wooden blocks. Which of the figures below was not made by Mark?



8. Mother made some pancakes. Brad ate 3 pancakes, Kate ate 2 pancakes, and Olaf ate 1 pancake. How many pancakes did they eat altogether?

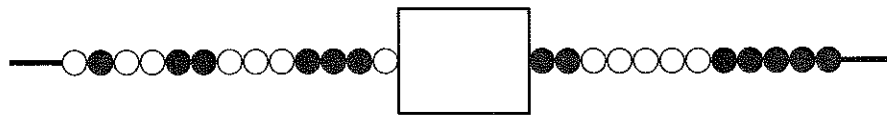
- A) 4                                      B) 5                                      C) 6                                      D) 7

**Problems 4 Point Each**

9. Anna visited her grandmother on Thursday, January 21st, and invited her to her birthday party on February 3rd. What day of the week will the birthday party take place? (Remember that January has 31 days.)

- A) Sunday                              B) Monday                              C) Tuesday                              D) Wednesday

10. Joanna made a necklace by putting beads on a string following a simple pattern as shown below:



What does the part of the necklace covered by the white rectangle look like?

- A) ●●●○○                              B) ○○●○○                              C) ○○○●●                              D) ○○●●●

11. Which of the operations below makes the largest odd number?

- A)  $3 \times 1 + 2 \times 4$               B)  $3 \times (1 + 2 \times 4)$               C)  $3 \times (1 + 2) \times 4$               D)  $(3 \times 1 + 2) \times 4$

12. Math workshops start at 5:00 PM. Today Allan was 15 minutes late to the workshop. What time did Allan come?



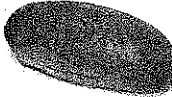


- A) 5:00 PM                              B) 5:05 PM                              C) 5:15 PM                              D) 5:20 PM

13. There were 9 four-person tables in the room where Greg had his birthday party. When Greg and all his guests sat down, there were still 7 empty seats. How many guests came to Greg's party?

- A) 29                                      B) 28                                      C) 27                                      D) 25

14.

**GROCERY STORE**

				
Milk \$2	Lollipop \$1.50	Bread \$2	Butter \$2.50	10 Bananas \$5

Martha's mother gave her \$20. Martha bought one carton of milk, 10 bananas, one loaf of bread and two packages of butter. With the money she had left over, she bought lollipops. How many lollipops did Martha buy?

- A) 3                                      B) 4                                      C) 5                                      D) 6

15. 12 pairs of dancers took part in a dance competition. Johnny noticed that 18 people danced the waltz. How many of the 12 pairs of dancers did not dance the waltz?

- A) 3                                      B) 6                                      C) 4                                      D) 5

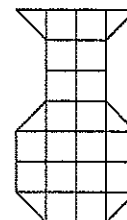
16. It is Thursday today. Tom's birthday was four days ago. On what day of the week was Tom's birthday?

- A) Sunday                              B) Monday                              C) Tuesday                              D) Wednesday

**Problems 5 Points Each**

17. We can make the picture of the vase shown to the right using small square pieces of paper like this one:  $\square$ , and by cutting some of them in half. What is the smallest number of such small square pieces of paper we need to make the picture?

- A) 19                              B) 20                              C) 21                              D) 24



18. Ella has 3 pieces of candy, Sophia has 2 pieces of candy less than Bonnie, and Bonnie has 4 times as many pieces of candy as Ella. How many pieces of candy do Ella, Sophia and Bonnie have altogether?

- A) 15                              B) 20                              C) 25                              D) 29

19. A certain play has two 45-minute parts and an intermission between them. The play started at 10:50 and ended at 12:40. How many minutes long was the intermission?

- A) 10                                      B) 15                                      C) 20                                      D) 25

20. In a magical kingdom there are dragons with two heads and dragons with three heads. There are three times as many dragons with two heads as dragons with three heads. Altogether, all the dragons have 27 heads. How many dragons are there in this kingdom?

- A) 12                                      B) 13                                      C) 14                                      D) 15

21. Adam went on a walk through the woods and found a mushroom after every 40 steps that he made. We know that one of Adam's steps is half a yard long, and that he found a total of 20 mushrooms. How many yards did Adam walk from where he found the first mushroom to where he found the last mushroom?

- A) 380                                      B) 360                                      C) 340                                      D) 400

22. Emma and Isabella live on the same street. This street runs along a river, and the houses are only on one side of the street. There are 47 houses to the left of Emma's house, and there are 23 houses to the right of Emma's house. The number of houses to the left of Isabella's house is equal to the number of houses to the right of Isabella's house. How many houses are there between Emma's house and Isabella's house?

- A) 10                                      B) 11                                      C) 12                                      D) 13

23. A dog, a cat and a monkey together weigh 12 pounds. A cat and 2 monkeys weigh 10 pounds. A dog and 3 monkeys together weigh 2 pounds more than a cat, a dog and one monkey. How much does a cat weigh?

- A) 3 pounds                              B) 4 pounds                              C) 5 pounds                              D) 6 pounds

24. Anne, Clara, Michael and Dan had an apple eating contest. The person who ate the most apples won. Dan ate more apples than Clara, and Michael ate fewer apples than Anne. We also know that Dan did not win the contest. Who ate the most apples?

- A) Anne    B) Clara    C) Michael    D) We cannot know who ate the most apples.