

## Practice Problems 2

- How many days are there from March 15 to September 15 inclusive?  
**A** 182      **B** 183      **C** 184      **D** 185      **E** 186
- Bottle A is  $\frac{4}{5}$  full of water. Bottle B holds 16 ounces of water when full. When the contents of bottle A are poured into bottle B, bottle B is  $\frac{3}{4}$  full of water. How many ounces of water can bottle A hold when full?  
**A**  $<8$       **B** 9 to 11      **C** 12 to 15      **D** 16 to 18      **E**  $>18$
- Bob and Bill live twelve miles apart. Bob walks at four miles per hour and Bill walks at three miles per hour. If they are going to meet at a point half way between Bob's and Bill's houses, how many minutes head start will Bill need?  
**A** 10      **B** 20      **C** 30      **D** 40      **E** 50
- Express the fraction  $\frac{216}{243}$  in its lowest terms.  
**A**  $\frac{216}{243}$       **B**  $\frac{72}{81}$       **C**  $\frac{24}{27}$       **D**  $\frac{16}{43}$       **E**  $\frac{8}{9}$
- Which of these is the smallest?  
**A**  $\frac{\pi}{10}$       **B**  $\frac{333}{1000}$       **C**  $\frac{1}{3}$       **D**  $\frac{7}{20}$       **E** 0.33
- A test has 50 questions. Each right answer is worth 2 points; each wrong answer deducts 0.5 points; blank answers are not counted. A student got a score of 88.5. How many answers did he leave blank?  
**A** 1      **B** 2      **C** 3      **D** 4      **E** 5
- Using pennies, nickels, and dimes, how many ways can you make 16¢?  
**A** 4      **B** 5      **C** 6      **D** 7      **E** 8
- Dick and Jane are brother and sister. Dick has three times as many sisters as he has brothers. However, Jane has an equal number of brothers and sisters. How many children are in the family?  
**A** 4      **B** 5      **C** 6      **D** 7      **E** 8
- Write down all the even numbers from 30 to 300. How many times will the digit "6" appear?  
**A**  $<51$       **B** 51 to 54      **C** 55 to 58      **D** 58 to 61      **E**  $>61$

10. Two numbers have a sum of 30 and a product of 209. What is the positive difference between them?

- A** 2            **B** 4            **C** 8            **D** 12            **E** 16

11. A group of five friends has two tickets to the ball game. How many different combinations of these five friends can use the tickets?

- A** 5            **B** 10            **C** 12            **D** 16            **E** 20

12. What is the largest amount of postage that cannot be made if we have access to an unlimited number of 5¢ and 11¢ stamps?

- A** 17¢            **B** 39¢            **C** 43¢            **D** 48¢            **E** 53¢

13. Which one of these numbers is the average of the other four?

- A** 11            **B** 20            **C** 21            **D** 23            **E** 25

14. A train traveling 88 feet per second takes three seconds to enter a tunnel and another thirty seconds to pass completely through it. What is the length of the train in feet?

- A** < 100            **B** 100 to 300    **C** 301 to 700    **D** 701 to 1200    **E** >1200

15. How many different four-digit numbers can be made using the digits 1, 1, 9, and 9?

- A** 6            **B** 10            **C** 12            **D** 16            **E** 24

**Answers:**

<b>D C C E A    B C B A C    B B B B A</b>
--