**Assessment Test for 5th grade**

**Three points each question**

1. Calculate: 777 – 333 + 444

2. Anson has 21 dimes. Antonio has 57 cents. How much more money, in dollars, does Anson have than Antonio?

3. I drove for 3 hours at 60 miles per hour. How many miles did I drive?

4. What is 17 + 13 × 6 – 37?

5. Write 0.65 as a reduced common fraction.

6. Andrew downloads 12 songs on Monday. If each day afterward he downloads 3 more songs than the day before, how many total songs will Andrew have downloaded at the end of Wednesday, assuming he starts with no songs?

7. In the book Hatchet, Brian spends 54 days alone in the wilderness after his plane crashes. If he is rescued on a Wednesday, on what day of the week did his plane crash?

8. If 20 years ago Allen was half as old as he is today, how old was he 10 years ago?

9. The digits 1, 2, 3, 4 and 9 are each used once to form the smallest possible even five-digit number. What is the digit in the tens place?

10. There are a total of 100 men and women on an airplane. There are 12 more women than men. What is the number of women on the airplane?

**Five points each question**

11. At a party, every guest shakes hands with every other guest once. How many handshakes are exchanged if there are 6 guests at the party?

12. There are 20 questions on a math test. 6 points will be awarded for each correct answer, 4 points will be deducted for each wrong answer. All the questions must be answered. If Isabelle scores 90 points on the math test, how many questions does she answer correctly?

13. Calculate the following series.



14. A minivan left a condominium with a number of passengers. 6 passengers got off and 10 passengers boarded the minivan at Evergreen Road. At Woodville Interchange,  of the number of passengers got off and 12 passengers were left in the minivan. How many passengers were on the minivan when it left the condominium?

15. A rectangle is twice as long as it is wide and it has an area of 32 mm². What is the perimeter of the rectangle?

16. 40 liters of fruit juice is to be bottled in 28 two-liter and one-liter bottles. How many two-liter bottles are needed?

17. Peter and Paul went to a boy scout camp. During a meeting, the scouts stood in a single row. On one side of Paul there were 27 scouts, and on the other side there were 13 scouts. Peter was standing exactly in the middle of the row. How many scouts were there between Peter and Paul?



18. 72 more females than males are enrolled in Archimedes High School. 60% of the students are female. What is the number of male students that are enrolled?

19. Kristen wrote numbers in 5 of the 10 circles as shown in the figure. She wants to write a number in each of the remaining 5 circles such that the sums of the 3 numbers along each side of the pentagon are equal. Which number will she have to write in the circle marked by X?



20. Jane bought some books. For the first book, she paid half of her money and 1 dollar more. For the second book, she paid half of the remaining money and 2 dollars more. Finally, for the third book, she paid half of the remaining money and 3 dollars more, thus spending all of her money. How much did the three books cost altogether?

21. In rectangle ABCD, all of AC, BD, and FG intersect at point E. AD is 12 cm long and AB is 18 cm long. What is the sum of the areas of the shaded regions, in cm2?



22. All of Marcy's marbles are blue, red, green, or yellow. One third of her marbles are blue, one fourth of them are red, and six of them are green. What is the smallest number of yellow marbles that Marcy could have?

23. The product of three consecutive numbers is 15,600. What is the least of the three numbers?

24. Jefferson Middle School has the same number of boys and girls.  of the girls and  of the boys went on a field trip. What fraction of the students on the field trip were girls?