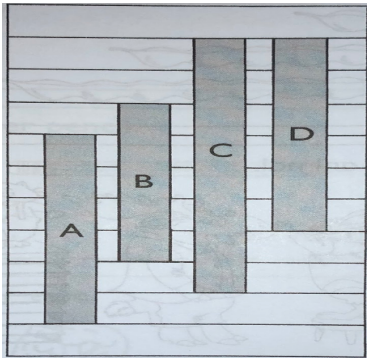# MB1 Senior Diagnostic Test

1. Arrange the following weights in increasing order; 1kg, 146g, 98375mg, 2659g

2. Jeff was running in a race with 14 other people. Right now he is in 4th place. If he is able to get in front of two people in front of him, what will be his new position, and will that new position be a cardinal number or an ordinal number?

3. 273-59+189-321+6 = ?

4. Bob decides to throw a party so he invites 8 of his friends. Since all of his friends like donuts, he gets a box of 36 donuts. Including him, how many donuts should each person get?

5. Of the four stickers, which is the shortest? Which is the longest?

6. I have a balance scale with pencils on one side and paper clips on the other. 7 paper clips are the same weight as 1 pencil. If there are 14 pencils on one side and already 47 paper clips, how many more paper clips need to be added so the scale would be balanced?

7. How many fluid ounces are in one cup?

8. What time does the clock show?

9. In a birthday with 5 people, a cake is split evenly. How much cake would 2 people have in total?

10. Chris wanted to buy soccer balls for every player on his team. There were 7 people on his team. Each soccer ball costs $1.10. How much money does he need for each player?

MB1 Senior Diagnostic Test Answer Key

1. 98375mg, 146g, 1kg, 2659g
2. 2nd, ordinal number
3. 88
4. 4
5. Shortest - B, Longest - C
6. 51
7. 8
8. 1:30
9. ⅖
10. $7.70