MATH1400 Essential Mathematics
Assignment #1 – Whole numbers

Instructions:
1. All questions are worth 2 marks
2. Do not change the page's format (e.g., don't move questions, add additional pages.).
3. Download and print with the Word or PDF document Assignment #1.
4. Complete the assignment.
5. Scan your completed assignment and save the file as a PDF document. DO NOT upload documents that are images of your work (your instructor cannot grade images).

6. Upload your PDF file to the assignment folder on eConestoga by:

<mark>Friday, January 19th, 2024, by 11:59 pm (10% of final grade)</mark>

Late policy:
As per the instructions on eConestoga, assignments are due at the start of class on the due date specified by the instructor in the Instructional Plan or the deadline set by the dropbox in eConestoga.

If an assignment is going to be late, a penalty of 10% per day will be applied to all late assignments.

Assignments submitted after your instructor has graded and returned assignments, OR later than seven (7) calendar days will not be accepted and a grade of zero (0) will be applied for this component of assessment.

To qualify as a validated absence, students must notify the faculty member mbendame@conestogac.on.ca, twenty-four (24) hours **before** the due date of the assessment, except in a case of an emergency when the notification for validated absences must be made as soon as possible.

Academic Integrity:
Review: About Academic Integrity - Academic Integrity - Library Services at Conestoga College
As a current Conestoga student, you are expected to understand what constitutes an academic incident and to avoid any activities that may lead to an academic incident.

For example, *plagiarism* is submitting any type of work produced by someone other than yourself without acknowledging that source may be considered plagiarism. This includes writing, mathematical solutions, data, code, images, graphical designs, and more.

1. For the number 83,571 which number is in the hundreds place?

   Answer: 5

2. For the same number which number is in the ones place?

   Answer: 1

3. **Add:** = 22,192

$$
\begin{array}{r}
14{,}324 \\
7812 \\
+\quad 56 \\
\hline
2\,2\,1\,9\,2
\end{array}
$$

4. **Subtract:**

   15675 - 6728   8,947

5. **Multiply:** = 22,224

$$
\begin{array}{r}
1852 \\
\times\quad 12 \\
\hline
3704 \\
18520 \\
\hline
22{,}224
\end{array}
$$

6. Multiply. For this question, show your work (2 marks):

$$
\begin{array}{r}
842 \\
\times\ 671 \\
\hline
\end{array}
$$

$$
\begin{array}{r}
824 \\
\times 671 \\
\hline
842 \\
58940 \\
505200 \\
\hline
564{,}982
\end{array}
$$

   Answer :- 564,982

7. Divide 7873 by 3, Show your work. Show remainder, if necessary (2 marks)

$$
\begin{array}{r}
2624 \\
3\,\overline{)7873} \\
6\downarrow \\
\overline{18} \\
18\downarrow \\
\overline{007} \\
6\downarrow
\end{array}
$$

   Quotient = 2624

   Remainder = 1

$$\frac{\begin{array}{r}13\\12\end{array}}{0\ 1}$$

8. Round 25,849 to the nearest hundred..

Answer: 25,800

9. Mary buys a jumbo bag of 84 candies to make favor bags for her son's party. If she wants to make 12 bags, how many candies should she put in each bag?

Answer: $12\overline{)84}$ quotient = 7
$\underline{84}$ Remainder = 0
$0\ 0$

Therefore, if Mary wants to make 12 bags of 84 candies than she should put 7 candies in each bag.

10. Last month, Stan's take-home pay was $3,816 and his expenses were $3,472.

How much of his take-home pay did Stan have left after he paid his expenses?

Answer: $3816 - $3,472 = $344

Therefore, $344 have left with Stan after he paid his expenses.

11. Name the number 8,165,432,098,710 in words.

Answer: Eight trillion, one hundred sixty-five billion, four hundred thirty-two million, ninety-eight thousand, seven hundred ten.

12. Name the number in words: 9,258,137,904,061

Answer: Nine trillion, two hundred fifty-eight billion, one hundred thirty-seven million, nine hundred four thousand, sixty-one.

13. Write the following numbers using digits.

ⓐ fifty-three million, four hundred one thousand, seven hundred forty-two
Answer: 53,401,742

ⓑ nine billion, two hundred forty-six million, seventy-three thousand, one hundred eighty-nine
Answer: 9,246,073,189

14. Followed Submission Instructions on Page 1 (4 marks)   **Total 30 marks**